

Online Library

Distributing and Customizing the Library



GC23-3129-00



Online Library

GC23-3129-00

Distributing and Customizing the Library

Note!

Before using this information and the products it supports, be sure to read the general information under "Notices" on page v.

First Edition (May 1992)

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Chapter 1. Introducing the IBM Online Library

The IBM Online Library consists of prepackaged sets of CD-ROMs containing collections of softcopy IBM books from selected libraries of IBM software and hardware products.

These collections are a convenient way to help you set up an IBM Online Library in your organization. They permit you to put a large number of IBM books online immediately and save you the inconvenience of handling individual IBM product libraries on many CD-ROMs and tapes.

The collections also include on each CD-ROM the following items to help you use them:

- A catalog of books that you can search online to find the location and description of the books and bookshelves for any product library in the collection
- The IBM BookManager Library Reader for both OS/2 and DOS workstations that lets you read and search any IBM book distributed on CD-ROMs as part to the IBM Online Library
- The IBM Library Reader Installation Program to install the IBM Library Reader or to update the IBM BookManager READ/2 or READ/DOS licensed programs or another version of the IBM Library Reader to point to the books in a collection
- The IBM Bookshelf Upload Program that lets you copy individual bookshelves of IBM books in the collections to an MVS or VM host from any host-attached PS/2 workstation
- The IBM Softcopy Receiver Tool that runs on an MVS or VM host in conjunction with the IBM S/370 and S/390 Optical Media Attach/2 to transfer to a host all or parts of the contents of a CD-ROM or tape from a channel-attached PS/2 workstation at high speed.

What Is the Purpose of This Booklet?

This booklet is intended for experienced workstation users who want to make more efficient use of the IBM Online Library on their workstations or distribute the IBM Online Library within their organizations, or for system administrators who want to centralize the management and support of the IBM Online Library in their organizations. This booklet describes how you can:

- Distribute and use the IBM Online Library in your organization
- Create and use personal bookshelves for IBM books in the collections
- Customize the collection to make more efficient use of only one CD-ROM drive
- Transfer the IBM Online Library to an MVS or VM host and share it with BookManager READ/MVS or READ/VM.
- Transfer the IBM Library Reader and IBM books from a workstation with a CD-ROM to an MVS or VM host, download them, and install them on a workstation that doesn't have a CD-ROM drive
- Copy the IBM Library Reader and IBM books to a diskette and install them on a workstation that doesn't have a CD-ROM drive
- Create shared folders for collections of IBM books and the IBM Library Reader on an AS/400

Two other booklets are also available:

- *IBM Online Library: Getting Started*, GC23-0545

The Getting Started booklet explains how to install the IBM Library Reader and use the IBM Online Library on a workstation.

- *IBM Online Library: Catalog of Books* (one for each collection)

The Catalog is intended to help anyone find any product library or book included in its collection of IBM books. It contains a directory and a catalog for the collection. The directory summarizes the product libraries and their location on

the CD-ROMs. The catalog describes each product library and lists the books that it contains. The collections also include, on each CD-ROM, an online version of the catalog that you can search to find the location and description of the books and bookshelves for any product library in the collection.

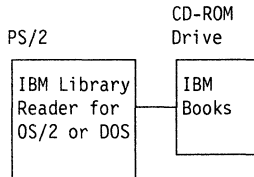
Each collection of IBM books also contains online versions of the books *IBM BookManager READ/2* and *IBM BookManager Library Reader/2: Displaying Online Books* and *IBM BookManager READ/DOS* and *IBM BookManager Library Reader/DOS: Displaying Online Books*. These books are intended for anyone who wants instructions for using the BookManager reader products for OS/2 or DOS.

How You Can Make Use of the IBM Online Library

Your organization can use the collections of IBM books that are distributed as part of the IBM Online Library in the following ways.

On Individual Workstations with CD-ROM Drives

You can set up individual workstations with one or more CD-ROM drives and one or more collections of books from the IBM Online Library. These workstations can be the workstations used by individuals or they can be walk-up and use information kiosks—that is, one or more workstations, strategically placed, in your organization that are shared by the members of a department or some other group in your company. For example:



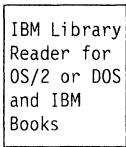
Here the IBM Library Reader for OS/2 or DOS that is included with each collection of IBM books is installed and running on an individual PS/2 workstation. The user is reading the books in the collection from their CD-ROMs. If this workstation already has an IBM BookManager READ or a version of the IBM Library Reader, the IBM Library Reader included with the new collection is not needed. The installation program in the new collection will update a BookManager READ or IBM Library Reader that the user already has to use the books in new collection.

If you are attaching CD-ROM drives to your workstations, first see the instructions that accompanied your CD-ROM drive for information on setting them up and chaining multiple drives together. Then go to the booklet *IBM Online Library: Getting Started* for instructions on installing and using the collection of IBM books. You may also want to come back to this booklet for more information on customizing these workstations. If you do, see Chapter 2, "Customizing the IBM Online Library" on page 11.

On Individual Workstations without CD-ROM Drives

You can also set up individual PS/2 workstations that do not have CD-ROM drives. You can copy the IBM Library Reader for OS/2 or DOS and selected books from the collections to the hard disks of each workstation, and install the IBM Library Reader and read the books from the hard disk without a CD-ROM drive. If the workstations have host connections, you can transfer everything to an MVS or VM host from a workstation that has a CD-ROM drive, and then download it to the hard disk of each workstation. If the workstations do not have host connections, you can copy everything to diskettes and load everything into the workstation using its diskette reader. For example:

PS/2



IBM Library
Reader for
OS/2 or DOS
and IBM
Books

Here the IBM Library Reader is also running on an individual PS/2 workstation but reading books from its hard disk. If this workstation already has IBM BookManager READ or another version of the IBM Library Reader, the IBM Library Reader included with each collection of IBM books is not needed. The installation program included in the collection of IBM books will update BookManager READ or your IBM Library Reader to use the books in the new collection. You can transfer selected books from the collection to your host with the IBM Bookshelf Upload programs included in the collection from any attached workstation that has a CD-ROM or you can use the IBM Softcopy Receiver Tool and the IBM S/370 and S/390 Optical Media Attach/2 from a channel-attached PS/2. If your workstations already have BookManager READ/2 or

READ/DOS or another version of the IBM Library Reader, you do not need to transfer the IBM Library Reader.

To transfer complete collections or selected IBM books, bookshelves, and bookshelf search indexes to your host, go to Chapter 3.

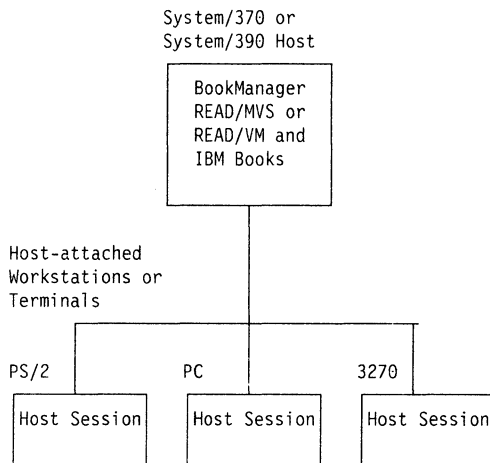
To upload the IBM Library Reader package to your host and to download everything to your workstation, go to Chapter 4.

To copy IBM books to diskettes, go to "Distributing the IBM Library Reader on a Diskette" on page 115.

Then go to the booklet *IBM Online Library: Getting Started* for instructions on installing and using the IBM Library Reader and using the collections of books. You may also want to come back to Chapter 2 in this booklet for further information on customizing these workstations.

Centralizing the IBM Online Library on an MVS or VM Host

You can transfer complete collections or selected IBM books, bookshelves, and bookshelf search indexes from a collection of IBM books to your MVS or VM host and create a centralized IBM Online Library for all your attached workstation and terminal users. For example:



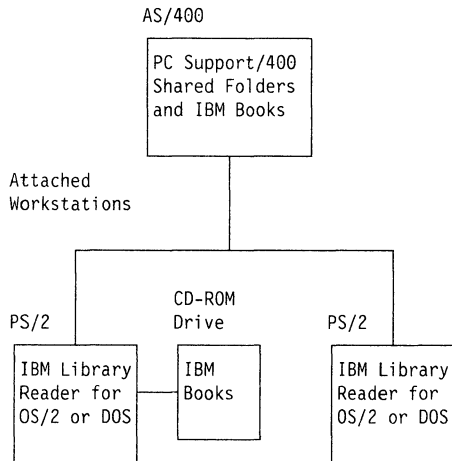
Here BookManager READ/MVS or READ/VM is running on the MVS or VM host. The PS/2 or PC workstations or the 3270 terminals are using BookManager READ in a host session and reading books from the collections at the host. You can transfer books

from the collections to your host with the IBM Bookshelf Upload programs included in each collection of IBM books from any attached workstation or you can use the Optical Media Attach from a channel-attached PS/2. You do not need to transfer the IBM Library Reader; it does not run on an MVS or VM host.

For instructions on transferring books and collections to your host, go to Chapter 3. Then see the BookManager READ/MVS and READ/VM books for information on using BookManager READ/MVS or READ/VM.

Sharing the IBM Online Library on an AS/400 with PC Support/400 Folders

You can copy complete collections or selected IBM books into PC Support/400 shared folders so that your workstation users attached to an AS/400 can share them. For example:



Here the IBM Library Reader for OS/2 or DOS is running on each PS/2 workstation. It is reading IBM books in the PC Support/400 shared folders. You can also copy the IBM Library Reader to a shared folder, and it can be used at all the workstations attached to the AS/400. You would not need to install the IBM Library Reader on each workstation. For information on copying collections of IBM books and the IBM Library Reader to an AS/400 shared folder, see Chapter 6.

Chapter 2. Customizing the IBM Online Library

You can customize the collections of IBM books as follows:

- You can create a personal bookshelf that contains only the books you usually look at.
- You can copy selected IBM books or entire IBM product libraries from CD-ROMs onto your hard disk or diskettes to make more efficient use of only one CD-ROM drive.

Creating a Personal Bookshelf

You can create a personal bookshelf that contains only the books you usually look at. Personal bookshelves can help you avoid looking at long lists of all the bookshelves and books that are included in the collections of IBM books every time you open the IBM Online Library. They can also help you limit your searches to just the books in your personal bookshelf; you do not need to look through search results for many books in which you have no interest.

Creating a Personal Bookshelf on Your Host

If you have BookManager READ/MVS or READ/VM or BookManager BUILD/MVS or BUILD/VM on your host, you should create your personal bookshelf on your host with the BookManager INDEX command. When you create it there, you can also create a bookshelf search index for it. You must upload the books to your host. Build a bookshelf and bookshelf search index on your host. See the BookManager READ/MVS or READ/VM manuals for instructions. Then download the bookshelf to a \SHELVES directory and the books and bookshelf search index to a \BOOKS directory on your hard disk. If you do not already have these directories on your hard disk, you

should create them before you download the books, bookshelf, and bookshelf search index.

If the directories you put the books, bookshelf, and bookshelf search index in are not in your configuration file or profile, you need only follow step 3 on page 13 through step 7 on page 14 (for OS/2) or step 10 on page 18 through step 14 on page 19 (for DOS) to modify your configuration file or profile to include your directories. After you have made these changes you can open the IBM Online Library, and your personal bookshelf should be listed.

Creating a Personal Bookshelf on Your Workstation

If you do not have BookManager READ/MVS or READ/VM on your host, you may want to limit your personal bookshelf to just the books from a single platform or collection bookshelf. Then your personal bookshelf can make use of the bookshelf search index for the platform or collection bookshelf that is already on the CD-ROM. When you use your personal bookshelf, just be sure to have the correct CD-ROM in the drive.

If you still want books from more than one platform or collection in the same personal bookshelf, you can create it that way; you just cannot create a new bookshelf search index without BookManager READ/MVS or READ/VM. Remember that the bookshelf search index speeds up the search of an entire bookshelf.

If you are using an OS/2 workstation, go to "Creating a Personal Bookshelf on an OS/2 Workstation" on page 13.

If you are using a DOS workstation, go to "Creating a Personal Bookshelf on a DOS Workstation" on page 17.

Creating a Personal Bookshelf on an OS/2 Workstation

You can create a personal bookshelf by copying a bookshelf from a CD-ROM in an IBM collection that contains many of the books you want to have in your personal bookshelf. By copying a bookshelf from a CD-ROM in an IBM collection, you can make use of the bookshelf's search index that is already in the CD-ROM. After you have copied the bookshelf you can delete any of the books you do not want. Later you can add other books individually from other bookshelves. These other books will not be included in the search index.

The examples that follow assume that you do not have BookManager READ or BUILD on your host and that you want to use an existing bookshelf search index that is on a CD-ROM. The examples also assume that you want to put your personal bookshelf into a C:\SHELVES that does not exist and is not known to the IBM Library Reader/2, that is, it is already listed on the SET READIBM= statement in your CONFIG.SYS file. If you want to use a different name for this directory, substitute your name for the one shown in the examples.

If you want to put your new bookshelf in a directory that already exists, you can begin with step 3.

If the directory you use is also already known to the IBM Library Reader/2, and you just want your new bookshelf to appear in the list of all bookshelves, you can begin with step 8 on page 14.

- 1** Select the hard disk on which you want to put your personal bookshelf. Type:
c:
- 2** Create a directory for your personal bookshelf on the hard disk. Type:
md \shelves
- 3** Use your favorite text editor, and edit your CONFIG.SYS file.

When you originally installed the IBM Library Reader/2, it updated this file and added the SET READIBM= statement to it.

- 4** Find the READIBM statement in this file.

It looks like this:

```
SET READIBM=. ;...;D:\BOOKS;D:\SHELVES;...;
```

- 5** Add the directory you just created to this statement:

```
SET READIBM=. ;...;D:\BOOKS;D:\SHELVES;...;C:\SHELVES;
```

This change will add your personal bookshelf to the list of all bookshelves available to you when you open the IBM Online Library. If that is all you want, you can continue with step 7.

If you want your personal bookshelf to be the only one listed when you open the IBM Online Library, then continue with the next step.

- 6** Remove from the SET READIBM= statement all the other \SHELVES directories that you do not want listed. For example, if your statement now looks like this:

```
SET READIBM=. ;...;D:\BOOKS;D:\SHELVES;...;C:\SHELVES;
```

Remove the \SHELVES directories you do not want.

```
SET READIBM=. ;...;D:\BOOKS;...;C:\SHELVES;
```

If you have more than one drive, you must remove the \SHELVES directory for each drive.

- 7** Shut down and restart your system to make these changes take effect.
- 8** Open the Online Library.

For OS/2 Version 1.3: Do one of the following:

- To use the Group - IBM Online Library, which the installation program created, go to the Desktop Manager window and select IBM Online Library. The Group - IBM Online Library window appears. In that window select the library you want.
- Go to an OS/2 command prompt, and type:
`readibm /ds`

For OS/2 Version 2.0: Do one of the following:

- To use the IBM Online Library folder, which the installation program created, open the IBM Online Library folder and select the library you want.
- Go to an OS/2 command prompt, and type:
`readibm /ds`

- 9** Select from the list of bookshelves that the IBM Library Reader/2 displays the bookshelf you want to copy as the basis for your personal bookshelf.
- 10** Go to the action bar, and select the Group choice.
- 11** In the pull-down window that appears, select Copy bookshelf....
- 12** In the Copy Bookshelf window, type the file name for the new bookshelf, a title if you want one, and the path to the directory you just created or to the directory you want to use.
- 13** Click on the Copy pushbutton.
Your new bookshelf is created and it appears in the list of bookshelves.
- 14** To delete the books you do not want from this bookshelf, select your new bookshelf and display its contents.

15 Select the books you want to delete from this list.

If you only want to delete one book from the list, just move the mouse pointer to the book you want and click on it.

If you want more than one book, you can select them from the list in groups of one or more books by doing the following:

- a. Move the mouse pointer to the first book you want to delete.
- b. Press the Ctrl key.
- c. While pressing the Ctrl key, press and hold down the mouse button.
- d. While pressing the Ctrl key and the mouse key, move the mouse pointer down the list one after the other. Each book the mouse pointer moves over is selected. If you only want to select one book in a group, do not move the mouse pointer.
- e. On the last book in the group, release the mouse button, and release the Ctrl key.
- f. Go down the list, and repeat these steps for the next group of books you want.

16 After you have selected the books you want to delete, go to the Group choice on the action bar.

17 In the pull-down window that appears, select Remove from bookshelf....

18 Confirm that you want to remove the books you selected and they will disappear from the list of books in your bookshelf.

19 You can continue to use the IBM Online Library if it is already open, or if it is not already open, you can open it now.

When you open the IBM Online Library, your personal bookshelf will appear in the list of bookshelves or it will be the only bookshelf listed.

Creating a Personal Bookshelf on a DOS Workstation

The examples that follow assume that C:\SHELVES is the directory into which you want to put your personal bookshelf; it does not already exist, and it is not known to the IBM Library Reader/DOS. If you want to use a different directory, substitute your name for the name shown in the examples. If the directory already exists, you can begin with step 3.

- 1** Select the hard disk on which you want to put your personal bookshelf. Type:
c:
- 2** Create a directory for your personal bookshelf on the hard disk. Type:
md \shelves
- 3** Open the IBM Online Library.
readibm *.bks
- 4** Display the contents of a bookshelf that contains the books you want in your personal bookshelf.
- 5** Select the books you want from this list with the Space Bar.
- 6** Select the Group choice on the action bar in the IBM Library Reader.
- 7** In the pull-down window that appears, select Put selected books in a bookshelf....
- 8** In the Put Selected Books in a Bookshelf window, type the path to the directory and the name of your personal bookshelf. For example, if you called your bookshelf MYSHELF, you would type:

c:\shelves\myshef

If you are creating a new personal bookshelf you will be asked to supply a description for it.

If you are adding the books to an existing personal bookshelf, you will be asked if you want to add the new books or replace the old books.

Note: You can also use the Group choice to copy a complete bookshelf into a new bookshelf and delete any books you do not want.

You can include books from the bookshelves in any collection of IBM books. The books you include in your personal bookshelf can also be on your hard disk. Books that you add that are not in the bookshelf you used when you created your bookshelf will not be in the bookshelf search index.

9 Close the IBM Online Library.

If your directory is already known to the IBM Library Reader/DOS, and you just want to add your bookshelf to the list of all bookshelves, go to step 14 on page 19.

If you created a directory that is not known to the IBM Library Reader/DOS, or if you want your personal bookshelf to be the only bookshelf listed, continue with the next step.

10 Use your favorite text editor, and edit the file called READIBM.PRO.

This file was created by the IBM Library Reader installation program, it is in the same directory as the IBM Library Reader/DOS.

11 Find the statement in the program that looks like this:

```
-BPATH=...;D:\BOOKS;D:\SHELVES;...;
```

12 Add the directory you just created to this statement.

```
-BPATH=...;D:\BOOKS;D:\SHELVES;...;C:\SHELVES;
```

This change will add your personal bookshelf to the list of all bookshelves available to you when you open the IBM Online Library/DOS. If that is what you want, go to step 14.

If you want your personal bookshelf to be the only one listed, continue with the next step.

- 13** Remove from the -BPATH= statement all the other \SHELVES directories that you do not want listed. For example, if your statement now looks like this:

```
-BPATH=...;D:\BOOKS;D:\SHELVES;...;C:\SHELVES;
```

Remove the \SHELVES directories you do not want.

```
-BPATH=...;D:\BOOKS;...;C:\SHELVES;
```

If you have more than one drive, you will have a \SHELVES directory for each drive.

Note: If you have books in your personal bookshelf that you copied to a directory that is not known to the IBM Library Reader, you must also add that directory to the -BPATH statement.

- 14** Open the IBM Online Library. Type:

```
readibm *.bks
```

When the IBM Online Library opens, your personal bookshelf will appear in the list of bookshelves or it will be the only bookshelf listed.

Using Your Hard Drive to Minimize Swapping CD-ROMs on Only One CD-ROM Drive

You can make efficient use of one CD-ROM drive by copying selected books or entire bookshelves from collections of IBM books onto your hard disk or onto diskettes. If you use the books on one CD-ROM in a collection more than you use the others, you can copy a limited number of books that you use frequently to your hard disk or to diskettes. Then you can insert the CD-ROM that you use most of the time into your one CD-ROM drive, and you can access the other books on your hard disk or on diskettes at the same time without swapping CD-ROMs.

The examples that follow assume that you have only one CD-ROM drive and that you are copying IBM books into the `\BOOKS` directory and bookshelves into the `\SHELVES` directory on your hard disk or on a diskette. The examples also assume that the drive letters are `C` for your hard disk. If you want to use a different hard disk substitute your drive letter for the one shown in the examples.

- 1** Select the hard disk or diskette drive on which you want to put the IBM books or bookshelves. Type:

`c:`
- 2** Create a directory to hold the books you want to copy. Type:

`md \books`
- 3** If you also want to copy a bookshelf, create a directory for it. Type:

`md \shelves`
- 4** Insert the CD-ROM from which you want to copy into your CD-ROM drive.

- 5** Copy the books and bookshelves you want from the CD-ROM to your hard disk or diskette. Type one of the following commands for each book, bookshelf search index, and bookshelf that you want to copy.

To Your Hard Disk:

```
copy d:\books\book-name.boo c:\books  
copy d:\books\index-name.bki c:\books  
copy d:\shelves\shelf-name.bks c:\shelves
```

To a Diskette:

```
copy d:\books\book-name.boo a:\books  
copy d:\books\index-name.bki a:\books  
copy d:\shelves\shelf-name.bks a:\shelves
```

Where book-name is the name of a file containing a book, index-name is the name of a file containing a bookshelf search index, and shelf-name is the name of a file containing a bookshelf.

- 6** If you copied books to directories named \BOOKS and \SHELVES and you included the A or C drive when you installed the IBM Library Reader, the IBM Library Reader or BookManager READ should be able to find them already. Go to step 11 on page 22.

If you copied books and bookshelves to directories other than \BOOKS and \SHELVES or if you did not include the C or A drive when you installed the IBM Library Reader, you must continue with the next step.

- 7** Use your favorite text editor to edit the file called CONFIG.SYS (OS/2) or READIBM.PRO (DOS) that was created by the IBM Library Reader installation program.

- 8** Find the statement in the program that looks like this:

For OS/2 (CONFIG.SYS):

SET BOOKMGR=.;...;D:\BOOKS;D:\SHELVES;...;

For DOS (READIBM.PRO):

-BPATH=...;D:\BOOKS;D:\SHELVES;...;

- 9** Add the drive letter and directory name that you just created to the SET BOOKMGR= or -BPATH= statements. For example, if the directory is named C:\BOOKS or A:\BOOKS, then you would change these statements as follows:

For OS/2 (CONFIG.SYS):

SET BOOKMGR=.;...;D:\BOOKS;D:\SHELVES;...C:\BOOKS;A:\BOOKS;

For DOS (READIBM.PRO):

-BPATH=...;D:\BOOKS;D:\SHELVES;...C:\BOOKS;A:\BOOKS;

- 10** Shut down and restart your system.

- 11** You can put the CD-ROM that you use all the time back into the CD-ROM.

- 12** Open the IBM Online Library.

You will see the shelves from the original CD-ROM and you will see the bookshelves you copied from the other CD-ROM.

If you want to create a personal bookshelf that contains the books you copied, go to "Creating a Personal Bookshelf" on page 11. You can also include in a personal bookshelf IBM books that are on CD-ROMs in collections and IBM books that are on your hard disk or on diskettes.

Chapter 3. Using the IBM Online Library with BookManager READ/VM or READ/MVS on a Host

You can transfer IBM books from a workstation to an MVS or VM host and use them with BookManager READ/MVS or READ/VM. You may want to move the bookshelves and bookshelf search indexes along with the books. The bookshelves help organize the books for you into product and platform libraries. The bookshelf search indexes help you search entire bookshelves faster.

You may want to transfer IBM books, bookshelves, and bookshelf search indexes to your host because your terminal users want to use BookManager READ/MVS or READ/VM on your host to access online books.

You do not need to rebuild the books or recreate the bookshelves and bookshelf search indexes when you move them from your workstation to a host. The BookManager READ format for online books on the workstation is the same as it is on the host.

There are three ways to move collections of IBM books, bookshelves, and bookshelf search indexes to an MVS or VM host. You can use:

- The Softcopy Receiver Tool (SCRT) for MVS/TSO and VM/CMS. SCRT allows you to selectively choose from a list of bookshelves, bookshelf search indexes, and books contained on the CD-ROM and transfer the selected publications to your host system. SCRT requires the IBM S/370 and S/390 Optical Media Attach/2 to transfer the publications from the CD-ROM to your MVS or VM host. Optical Media Attach provides high-speed channel transfer of the online books from the CD-ROM using a channel-attached PS/2. For instructions on installing this program on your host and using it to transfer the contents of CD-ROMs to your

host, go to “Using the Softcopy Receiver Tool to Transfer the Contents of CD-ROMs and Tapes to a Host” on page 25.

- The IBM Softcopy Upload Programs for MVS and VM. These programs are also included in each collection of IBM books. They let you upload entire bookshelves including the books and the bookshelf search indexes from any host-connected PS/2 workstation. Your workstation will need a 3270-type host connection and a 3270 terminal emulator program or equivalent that supports a SEND capability. For instructions on installing these programs and using them to transfer bookshelves to a host, go to “Uploading Bookshelves and Associated Files to a Host” on page 82.
- The SEND capability provided by a 3270 terminal emulator program or an equivalent to send individual book, bookshelf, and bookshelf search index files to your host. For more information, see “Uploading Individual Book, Bookshelf, and Index Files to a Host” on page 97.

You can download individual books, bookshelves, and bookshelf search indexes with a series of RECEIVE commands. These are the RECEIVE commands provided by a 3270 terminal emulator program or equivalent. For information on downloading IBM books to a workstation, see “Distributing IBM Books to Workstations by Uploading and Downloading” on page 104.

Using the Softcopy Receiver Tool to Transfer the Contents of CD-ROMs and Tapes to a Host

The Softcopy Receiver Tool (SCRT) is provided to IBM customers free of charge with collections of IBM online books that are part of the IBM Online Library. SCRT displays a list of the online books (softcopy publications) contained on an IBM distributed tape or CD-ROM. You may selectively choose softcopy publications from the list and transfer the selected softcopy publications to a target you specify.

SCRT runs on VM/CMS and MVS/TSO. You must specify a target filemode for SCRT/VM and a target high-level-qualifier, unit, and volume serial for SCRT/MVS.

SCRT requires the IBM S/370 and S/390 Optical Media Attach/2 to transfer softcopy publications from a CD-ROM to an MVS or VM host. Refer to the *IBM S/370 and S/390 Optical Media Attach/2 User's Guide* (SC53-1200) for details.

IBM BookManager READ/VM or IBM BookManager READ/MVS is required to read the softcopy publications on the designated host system. It is assumed you are familiar with BookManager terminology.

SCRT provides:

- High-speed transfer of softcopy publications from CD-ROM to an MVS or VM host using a channel-attached PS/2 and the IBM S/370 and S/390 Optical Media Attach/2
- Setup options for source and target
- An interface to issue your local tape mount requests (VM only)
- A displayed list of publications contained on the tape or CD-ROM, including:
 - publication number
 - title
 - type (book, bookshelf, or bookshelf search index)

- language
 - product number associated with the publication
 - total size of the files associated with a publication, in kilobytes
 - total number of publications contained on the tape or CD-ROM
- The capability to sort the list of publications
- Global select and deselect of publications by one or more of the following:
 - publication number
 - product number
 - language
- Built-in association of a bookshelf with its bookshelf search index and with its books
- Details for receiving publications, including:
 - total number of publications selected
 - total number of publications received
 - total size of selected publications, in kilobytes
 - approximate target space available, in kilobytes
 - receive status of each publication during transfer
- Error recovery
 - source file not found or read/write error (Retry or Bypass)
 - file already exists (replace Y/N)
- History file of SCRT activity

SCRT/VM Installation and Getting Started

This section provides the necessary steps to install and start SCRT for VM/CMS.

Installing SCRT/VM

This section is intended for the system programmer responsible for the installation and maintenance of the Softcopy Receiver Tool for VM/CMS.

SCRT is designed to operate in any of the following VM/CMS operating environments:

- VM/SP Release 5 or higher
- VM/SP HPO Release 5 or higher
- VM/XA SP Release 2 or higher (System/370 compatibility mode)
- VM/ESA Release 1.0 or higher (System/370 compatibility mode)

SCRT/VM requires:

- The IBM C/370 Runtime Library Version 1 Release 2 or higher. If you use BookManager/VM, you already have the IBM C/370 Runtime Library. PTF UN11350 must be installed if you are running the IBM C/370 Runtime Library Version 1 Release 2. Contact your IBM service representative for details (APAR PN08574).
- The equivalent of one cylinder of 3380 DASD for the SCRT/VM files:
 - IBMSCRT EXEC
 - IBMSCRT MODULE
 - IBMSCRT MESSAGES
 - IBMSCRT IPVLIB
 - IPVMODFS MODULE
 - SCRT temporary work files

Additional space is required for the SCRT history file and for each publication transferred to the target filemode.

- 3 megabytes of virtual storage to run SCRT/VM

To install SCRT/VM:

- 1** Log on to VM/CMS.
- 2** Mount the IBM softcopy publications tape.

If you want to mount a tape from a CD-ROM, refer to “Mounting a Tape from a CD-ROM” on page 65, for brief Optical Media Attach/2 instructions. IBM softcopy publication kits distributed on CD-ROM can be accessed as a tape volume. The IBM S/370 and S/390 Optical Media Attach/2 provides access to the tape on the CD-ROM by emulating a host tape drive.

- 3** Issue the following three commands to install SCRT:

Using Full Syntax for VMFPLC2

```
VMFPLC2 REW ( devaddr
VMFPLC2 FSF 4 ( devaddr
VMFPLC2 LOAD * * fm
```

Using Defaults for VMFPLC2

```
VMFPLC2 REW
VMFPLC2 FSF 4
VMFPLC2 LOAD
```

where,

devaddr is the virtual address of the attached tape device (default is 181)
fm is the target installation disk (default is filemode A)

The system response should be:

```
LOADING.....
IBMSCRT IPVLIB   fm
IBMSCRT EXEC     fm
IBMSCRT MODULE   fm
IBMSCRT MESSAGES fm
IPVMODFS MODULE  fm
END-OF-FILE OR  END-OF-TAPE
Ready;
```

The files may not be loaded in the order shown above. If all of the files shown above are loaded, you have completed the installation. If any file does not get loaded, refer to “Identifying and Solving Problems” on page 65.

Starting SCRT/VM

To start SCRT on VM/CMS:

- 1 Ensure that you have R/W access to an ‘A’ disk.

SCRT requires R/W access to an ‘A’ disk for the SCRT history file (IBMSCRT HISTORY A) and for temporary work files. The SCRT history file provides a record of SCRT activity. SCRT displays information from the history file if you attempt to overwrite existing files. Use the same disk, accessed as mode ‘A’, to prevent the creation of multiple SCRT history files. SCRT does not support the VM Shared File System.

- 2 Enter the CMS command:

EX IBMSCRT

The IBMSCRT EXEC will setup the IBM C/370 Runtime environment and start SCRT/VM. Refer to the *IBM C/370 User’s Guide* (SC09-1264) for details about setting up the IBM C/370 Runtime environment.

After you start SCRT, the Setup Options **pop-up** window is displayed. SCRT uses pop-up windows for many of the SCRT functions. Pop-up windows have a highlighted border and are displayed in the foreground. The function keys displayed within the pop-up window are the only available function keys. When you are presented with a pop-up window which asks for input, you should enter the necessary input and press the Enter key to continue.

Setup Options Window for SCRT/VM

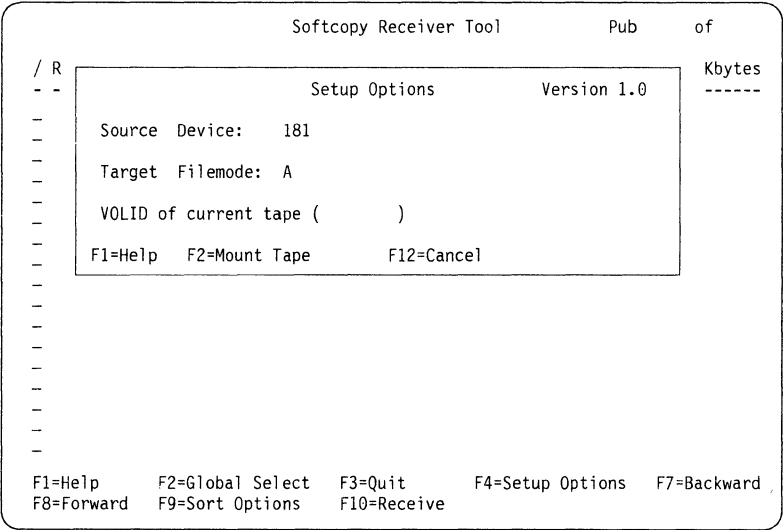


Figure 1. Setup Options Window for SCRT/VM

- 1** Type the virtual device address of the source tape (the default is 181).

- 2** Type the target filemode for the softcopy publications (the default is A). You must have R/W access to the target.
- 3** If the tape has already been mounted skip to step 4, otherwise press F2 to enter your local tape mount command. Be sure to specify the same virtual device address from the Setup Options window (default 181) in your local tape mount command. SCRT will get the VOLID from the tape and display it for reference purposes only.

Warning: With VM/CMS, calling a load module may cause memory overlap and SCRT may abnormally terminate. You may be required to enter your local tape mount command outside of the SCRT interface.

If you want to mount a tape from a CD-ROM, refer to “Mounting a Tape from a CD-ROM” on page 65, for brief Optical Media Attach/2 instructions. IBM softcopy publication kits distributed on CD-ROM can be accessed as a tape volume. The IBM S/370 and S/390 Optical Media Attach/2 provides access to the tape on the CD-ROM by emulating a host tape drive. Do not continue until the device has been attached and the tape has been mounted.

- 4** Press **Enter** to read the publication list from the tape.
Note: You must stop and restart SCRT to display a publications list from another IBM softcopy publication kit.
- 5** Continue with “Using the Softcopy Receiver Tool” on page 41.

SCRT/MVS Installation and Getting Started

This section provides the necessary steps to install and start SCRT for MVS/TSO.

Installing SCRT/MVS

This section is intended for the system programmer responsible for the installation and maintenance of the Softcopy Receiver Tool for MVS/TSO.

SCRT is designed to operate in any of the following MVS/TSO operating environments:

- MVS/XA (MVS/SP Version 2) with TSO/E Version 2 Release 1 or higher
- MVS/ESA (MVS/SP Version 3) with TSO/E Version 2 Release 1 or higher
- MVS/ESA (MVS/SP Version 4) with TSO/E Version 2 Release 1 or higher

SCRT/MVS requires:

- The IBM C/370 Runtime Library Version 1 Release 2 or higher. If you use BookManager/MVS, you already have the IBM C/370 Runtime Library.
- The equivalent of 3 cylinders of 3380 DASD for the SCRT/MVS datasets:
 - IBMSCRT LOAD (partitioned dataset for the SCRT load library)
 - IBMSCRT PANEL (partitioned dataset for the SCRT panels)
 - IBMSCRT MESSAGES (sequential dataset for the SCRT messages)
 - IBMSCRT CLIST (sequential dataset for the SCRT CLIST)
 - SCRT temporary work files

Additional space is required for the SCRT history file and for each publication transferred to the target unit/volser.

- Read authority to IBM softcopy publication kits

IBM softcopy publication kits include datasets with a high-level qualifier of 'IBM'. The 'IBM' high-level qualifier may need to be added to your MVS security system

with read authority for yourself and other SCRT users. If you and the other SCRT users are granted read authority to the 'IBM' high-level qualifier you will be able to access any dataset included with an IBM softcopy publication kit.

When SCRT transfers the datasets from the tape or CD-ROM to the target unit/volser, the file is written using the high-level qualifier you specify.

To install SCRT/MVS:

1 Log on to MVS/TSO.

2 Create the following JCL.

```
1 /* Replace this line with your system specific job card
2 //S1      EXEC PGM=IEBGENER
3 //SYSPRINT DD SYSOUT=*
4 //SYSUT1  DD DSN=IBM.SCRTJCL,DISP=OLD,UNIT=tttttt,
5 //        VOL=SER=vvvvvv,LABEL=(3,SL)
6 //SYSUT2  DD DSN=aaaaaaaa.IBMSCRT.INSTALL.JCL,DISP=(xxx,CATLG,DELETE),
7 //        UNIT=dddddd,DCB=(RECFM=FB,LRECL=80,BLKSIZE=6160),
8 //        SPACE=(TRK,1)
9 //SYSIN   DD DUMMY
10 /*
```

3 Replace line 1 with your system specific job card: jobid, accounting information, class, msgclass, etc.

4 Change 'ttttt' in 'UNIT=ttttt' on line 4 to identify the tape or CD-ROM unit. Unit examples are shown below:

Device	Examples
<i>address</i>	3F0, 3F8, 4F0, 4F8, etc.
<i>device type</i>	3422, 3480, 3380, etc.
<i>esoteric name</i>	PCTAPE, TAPE, DISK, SYSDA, etc.

- 5 Change 'vvvvvv' in 'VOL = SER = vvvvvv' on line 5 to the volume label on the tape or CD-ROM.
- 6 Change 'aaaaaaaa' in 'DSN = aaaaaaaaa.IBMSCRT.INSTALL.JCL' on line 6 to the proper high-level qualifier for the target library.
- 7 Change 'xxx' in 'DISP = (xxx,CATLG,DELETE)' on line 6 to **NEW** if the aaaaaaaaa.IBMSCRT.INSTALL.JCL dataset does not exist or to **OLD** if the aaaaaaaaa.IBMSCRT.INSTALL.JCL dataset does exist.
- 8 Change 'dddddd' in 'UNIT = ddddd' on line 7 to identify the target unit. Refer to the examples provided in step 4.
- 9 Submit the modified JCL through your normal batch-processing system.

The job will issue a tape mount request. Mount the IBM softcopy publications tape. If you want to mount a tape from a CD-ROM, refer to "Mounting a Tape from a CD-ROM" on page 65, for brief Optical Media Attach/2 instructions. IBM softcopy publication kits distributed on CD-ROM can be accessed as a tape volume. The IBM S/370 and S/390 Optical Media Attach/2 provides access to the tape on the CD-ROM by emulating a host tape drive.

After the tape is mounted, the job will allocate the required space and create the install JCL dataset aaaaaaaaa.IBMSCRT.INSTALL.JCL. Ensure that the job completes without error.

- 10 Edit the install JCL dataset and follow the editing instructions contained within the JCL (add your job card and change the UNITs, VOLs, and high-level qualifiers). The install JCL will be used to allocate space and install SCRT.
- 11 Submit the modified install JCL through your normal batch-processing system.

The job will issue a tape mount request. Mount the IBM softcopy publications tape. If you want to mount a tape from a CD-ROM, refer to “Mounting a Tape from a CD-ROM” on page 65, for brief Optical Media Attach/2 instructions. IBM softcopy publication kits distributed on CD-ROM can be accessed as a tape volume. The IBM S/370 and S/390 Optical Media Attach/2 provides access to the tape on the CD-ROM by emulating a host tape drive.

After the tape is mounted, the job will install SCRT/MVS. Do not continue until the install job has completed without error.

- 12** Edit the installed SCRT CLIST and change the ‘XXXXXXXX’ in the ‘SET SCRTHLQ = &STR(XXXXXXXX)’ statement to the high-level qualifier used for the installed SCRT datasets.

Starting SCRT/MVS

To start SCRT on MVS/TSO:

- 1** Go to a TSO command prompt.
- 2** Execute the SCRT CLIST. For example, assuming the SCRT CLIST was installed with the dataset name, *userid.IBMSCRT.CLIST*, enter the TSO command:

EX IBMSCRT

The SCRT CLIST will assume the IBM C/370 Runtime environment is setup and will start SCRT/MVS. Refer to the *IBM C/370 User's Guide* (SC09-1264) for details about setting up the IBM C/370 Runtime environment.

After you start SCRT, the Setup Options **pop-up** window is displayed. SCRT uses pop-up windows for many of the SCRT functions. Pop-up windows have a highlighted border and are displayed in the foreground. The function keys displayed within the

pop-up window are the only available function keys. When you are presented with a pop-up window which asks for input, you should enter the necessary input and press the Enter key to continue.

Setup Options Window for SCRT/MVS

Softcopy Receiver Tool		Pub	of
/ R	Setup Options	Version 1.0	Kbytes
--			-----
Source Unit:	PCTAPE	VOLID:	
Target High-Level Qualifier:			
Target Unit:	3380	VOLSER:	
History File High-Level Qualifier:			
Unit:	3380	VOLSER:	(For initial setup only)
F1=Help	F12=Cancel		
F1=Help	F2=Global Select	F3=Quit	F4=Setup Options
F8=Forward	F9=Sort Options	F10=Receive	F7=Backward

Figure 2. Setup Options Window for SCRT/MVS

All Unit entries for the SCRT/MVS Setup Options window specify the type of physical device. Unit may be an address, a device type, or an esoteric name. Examples are shown below:

Device	Examples
<i>address</i>	3F0, 3F8, 4F0, 4F8, etc.
<i>device type</i>	3422, 3480, 3380, etc.
<i>esoteric name</i>	PCTAPE, TAPE, DISK, SYSDA, etc.

- 1** Type the Source Unit for the softcopy publications tape (the default is PCTAPE).
- 2** Type the VOLID of the softcopy publications tape (the volume serial is printed on the tape label).
- 3** Type the Target High-Level Qualifier to use with the softcopy publications you want to receive.
- 4** Type the Target Unit and VOLSER (the default Unit is 3380).

You must have read/write and create authority for the target. The target VOLSER is not a required entry. However, SCRT will not calculate the available target space and the Receive Publications window will display '????????' for the available target space if the VOLSER is not specified. Be sure to specify a unit/VOLSER that is **not** temporary.

- 5** Type the History File High-Level Qualifier.

This entry is for the SCRT history file (**qualifier.IBMSCRT.HISTORY**). The SCRT history file provides a record of SCRT activity. SCRT displays information from the history file if you attempt to overwrite existing datasets. If the history file does not exist, SCRT will create it using the high-level qualifier, unit, and VOLSER specified. If the history file already exists, SCRT will ignore the unit

and VOLSER specified and use the existing history file. Use the same high-level qualifier to prevent the creation of multiple SCRT history files.

6 Type the Unit and VOLSER for the SCRT history file.

You must have read/write and create authority for the history file. The history file VOLSER is not a required entry. SCRT will use the history file unit/VOLSER to store SCRT temporary work files and the SCRT profile. The SCRT profile dataset (**userid.IBMSCRT.PROFILE**) is used to store all of the information you enter on the Setup Options window. The first time you start SCRT, message 'SCRT027: User profile not found' is displayed. SCRT will create a new user profile. The next time you start SCRT, the entry fields in the Setup Options window will default to the information in your SCRT profile. Be sure to specify a unit/VOLSER that is **not** temporary.

7 Press **Enter** to issue the tape mount request for the entered VOLID and to read the publications list from the tape.

If you want to mount a tape from a CD-ROM, refer to "Mounting a Tape from a CD-ROM" on page 65, for brief Optical Media Attach/2 instructions. IBM softcopy publication kits distributed on CD-ROM can be accessed as a tape volume. The IBM S/370 and S/390 Optical Media Attach/2 provides access to the tape on the CD-ROM by emulating a host tape drive.

Note: You must stop and restart SCRT to display a publications list from another IBM softcopy publication kit.

8 Continue with "Using the Softcopy Receiver Tool" on page 41.

Using the Softcopy Receiver Tool

After the tape has been mounted and after SCRT has read the publications list from the tape, SCRT displays a list of softcopy publications contained on the tape. The time required to display the list of publications depends on system load, channel load, and the size of the list. Several seconds or even minutes may be necessary to display the list. You must stop and restart SCRT if you want to display a publications list from another IBM softcopy publication kit.

Softcopy Receiver Tool						Pub 1	of 82
/ R	Pub Number	Publication Title	Product	Type	Lng	Kbytes	
-	BOOKMGR	BookManager Publications	5684062	BKSHELF	ENU	1	
-	BOOKMGR	BookManager Publications	5684062	BKINDEX	ENU	1028	
-	GC23-0447-01	BookManager General Informatio	5684062	BOOK	ENU	147	
-	SC23-0448-01	BookManager READ/VM Getting St	5684062	BOOK	ENU	66	
-	SC23-0449-01	BookManager READ/VM Displaying	5684062	BOOK	ENU	537	
-	SC23-0455-01	BookManager READ/VM Installati	5684062	BOOK	ENU	184	
-	GC23-0453-01	BookManager READ/VM and BUILD/	5684062	BOOK	ENU	29	
-	SAMP-B00K-01	Sample Book Number 1	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-02	Sample Book Number 2	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-03	Sample Book Number 3	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-04	Sample Book Number 4	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-05	Sample Book Number 5	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-06	Sample Book Number 6	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-07	Sample Book Number 7	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-08	Sample Book Number 8	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-09	Sample Book Number 9	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-10	Sample Book Number 10	NONPROD	BOOK	ENU	20	
F1=Help F2=Global Select F3=Quit F4=Setup Options F7=Backward F8=Forward F9=Sort Options F10=Receive							

Figure 3. Using the Softcopy Receiver Tool Main Panel

To transfer publications to your host system:

- 1 Select all publications you want to receive by typing a / in the first column of the main panel.

- 2 Press F10 to display the Receive Publications window which allows you to choose the method of file transfer: ask to replace existing files, do not replace any existing files, or replace all existing files.
- 3 Press Enter from the Receive Publications window to transfer the publications.

SCRT provides two features to simplify the task of selecting publications from the list:

Global Select provides a shortcut method for selecting publications by using selection criteria such as a product number. With this feature, you can easily select, for example, all publications associated with a single product. To access the global select feature, press F2 from the main panel to display the Global Select Options window, as described in “Global Select Options Window” on page 55.

Sort Options provides the capability to reorder the list of publications. You can sort the list of publications by any of the columns displayed on the main panel. The sort function is particularly useful after you have made your selections because you can sort the list by the first column and move all of your selections to the top of the list. Sorted this way, the list of publications is easy to verify before you select the Receive function. To access the sort feature, press F9 from the main panel to display the Sort Options window, as described in “Sort Options Window” on page 59.

Global Select Example

This example shows how you could use the Global Select Options window to select all US English publications that are associated with product number 5684062. For details about the Global Select Options window, see “Global Select Options Window” on page 55

Global Select Options

==> 2 1. Select all types
2. Select bookshelves
3. Select books
4. Deselect all types

Criteria for Select/Deselect

Publication number: _____
Product number: 5684062
Language: ENU

F1=Help F2=Languages F5=Deselect ALL F12=Cancel

Figure 4. Global Select Example

- 1** Press F2 from the main panel to display the Global Select Options window.
- 2** Type **2** in the option entry field.
- 3** Tab to the Product number entry field.
- 4** Type **5684062** in the Product number entry field.

- 5** Type the three-character identifier for US English, **ENU**, in the Language entry field, or press F2 to select US English from a list of available language identifiers.
- 6** Press **Enter**.
- 7** The Select Options for Bookshelf panel is displayed. Type option **1** and press **Enter**.. See “Select Options for Bookshelf Window” on page 57 for more information about bookshelf selection.
- 8** Select F9 (Sort Options) from the main panel. Type option **1** and press **Enter** to move all of the selected publications to the top of the list. See “Sort Options Window” on page 59, for more information about the Sort Options window.

The figure below shows how the Softcopy Receiver Tool main panel might appear after you follow the steps in the global select example. For more information about the Softcopy Receive Tool main panel, see “Softcopy Receiver Tool Main Panel” on page 51.

Softcopy Receiver Tool				Pub 1	of 82	
/ R	Pub Number	Publication Title	Product	Type	Lng	Kbytes
/	BOOKMGR	BookManager Publications	5684062	BKSHELF	ENU	1
/	BOOKMGR	BookManager Publications	5684062	BKINDEX	ENU	1028
/	GC23-0447-01	BookManager General Informatio	5684062	BOOK	ENU	147
/	SC23-0448-01	BookManager READ/VM Getting St	5684062	BOOK	ENU	66
/	SC23-0449-01	BookManager READ/VM Displaying	5684062	BOOK	ENU	537
/	SC23-0455-01	BookManager READ/VM Installati	5684062	BOOK	ENU	184
/	GC23-0453-01	BookManager READ/VM and BUILD/	5684062	BOOK	ENU	29
-	SAMP-B00K-01	Sample Book Number 1	NONPROD	BOOK	ENU	20
-	SAMP-B00K-02	Sample Book Number 2	NONPROD	BOOK	ENU	20
-	SAMP-B00K-03	Sample Book Number 3	NONPROD	BOOK	ENU	20
-	SAMP-B00K-04	Sample Book Number 4	NONPROD	BOOK	ENU	20
-	SAMP-B00K-05	Sample Book Number 5	NONPROD	BOOK	ENU	20
-	SAMP-B00K-06	Sample Book Number 6	NONPROD	BOOK	ENU	20
-	SAMP-B00K-07	Sample Book Number 7	NONPROD	BOOK	ENU	20
-	SAMP-B00K-08	Sample Book Number 8	NONPROD	BOOK	ENU	20
-	SAMP-B00K-09	Sample Book Number 9	NONPROD	BOOK	ENU	20
-	SAMP-B00K-10	Sample Book Number 10	NONPROD	BOOK	ENU	20
7 publication(s) selected <== Message						
F1=Help		F2=Global Select		F3=Quit		F4=Setup Options
F8=Forward		F9=Sort Options		F10=Receive		F7=Backward

Figure 5. Main Panel After Global Select

The next section shows how to receive the selected publications.

Receive Selected Publications Example

This example shows how you could use the Receive Publications window to receive selected publications. For more information about the Receive Publications window, see "Receive Publications Window" on page 61.

Receive Publications

==> 2 1. Normal receive
2. Bypass all files that already exist
3. Overwrite files that already exist

Selection Status

Number of publications selected: 7
Size of selected (kbytes): 1992
Size of target space (kbytes): 2970

Enter option to begin receiving.

F1=Help F12=Cancel

Figure 6. Receive Publications Example

- 1** Press F10 from the main panel to display the Receive Publications window.
- 2** Type **2** in the option entry field. Option 2 will not overwrite any existing files.

3 Press **Enter**.

SCRT will display the receive-status window for each publication transferred to the target. The receive-status window is updated after each file is transferred. See “Receive Status Window” on page 63, for details about the receive-status window.

The figure below shows how the main panel might appear after the transfer completes. The ‘Y’ in the received-status column (column 2) represents a successful transfer of files from source to target.

Softcopy Receiver Tool					Pub 1	of 82
/ R	Pub Number	Publication Title	Product	Type	Lng	Kbytes
-	Y BOOKMGR	BookManager Publications	5684062	BKSHELF	ENU	1
-	Y BOOKMGR	BookManager Publications	5684062	BKINDEX	ENU	1028
-	Y GC23-0447-01	BookManager General Informatio	5684062	BOOK	ENU	147
-	Y SC23-0448-01	BookManager READ/VM Getting St	5684062	BOOK	ENU	66
-	Y SC23-0449-01	BookManager READ/VM Displaying	5684062	BOOK	ENU	537
-	Y SC23-0455-01	BookManager READ/VM Installati	5684062	BOOK	ENU	184
-	Y GC23-0453-01	BookManager READ/VM and BUILD/	5684062	BOOK	ENU	29
-	SAMP-BOOK-01	Sample Book Number 1	NONPROD	BOOK	ENU	20
-	SAMP-BOOK-02	Sample Book Number 2	NONPROD	BOOK	ENU	20
-	SAMP-BOOK-03	Sample Book Number 3	NONPROD	BOOK	ENU	20
-	SAMP-BOOK-04	Sample Book Number 4	NONPROD	BOOK	ENU	20
-	SAMP-BOOK-05	Sample Book Number 5	NONPROD	BOOK	ENU	20
-	SAMP-BOOK-06	Sample Book Number 6	NONPROD	BOOK	ENU	20
-	SAMP-BOOK-07	Sample Book Number 7	NONPROD	BOOK	ENU	20
-	SAMP-BOOK-08	Sample Book Number 8	NONPROD	BOOK	ENU	20
-	SAMP-BOOK-09	Sample Book Number 9	NONPROD	BOOK	ENU	20
-	SAMP-BOOK-10	Sample Book Number 10	NONPROD	BOOK	ENU	20
Number of publications selected: 0, received: 7 <== Message						
F1=Help F2=Global Select F3=Quit F4=Setup Options F7=Backward						
F8=Forward F9=Sort Options F10=Receive						

Figure 7. Main Panel After Receive

The message area displays:

'Number of publications selected: x, received: y'.

SCRT will deselect:

- any publication successfully transferred (column 2 will contain a 'Y')
- any publication you chose **not** to replace when asked to replace an existing publication (column 2 will contain an 'N')
- any publication you chose to bypass when asked to retry or bypass (column 2 will contain an 'N')

If SCRT encounters any other receive error, SCRT leaves the remaining publications selected, stops processing, and displays an error message. For more information about the message, see “Messages” on page 66.

Softcopy Receiver Tool Main Panel

Softcopy Receiver Tool						Pub 1	of 82
/ R	Pub Number	Publication Title	Product	Type	Lng	Kbytes	
-	BOOKMGR	BookManager Publications	5684062	BKSHLF	ENU	1	
-	BOOKMGR	BookManager Publications	5684062	BKINDEX	ENU	1028	
-	GC23-0447-01	BookManager General Informatio	5684062	BOOK	ENU	147	
-	SC23-0448-01	BookManager READ/VM Getting St	5684062	BOOK	ENU	66	
-	SC23-0449-01	BookManager READ/VM Displaying	5684062	BOOK	ENU	537	
-	SC23-0455-01	BookManager READ/VM Installati	5684062	BOOK	ENU	184	
-	GC23-0453-01	BookManager READ/VM and BUILD/	5684062	BOOK	ENU	29	
-	SAMP-B00K-01	Sample Book Number 1	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-02	Sample Book Number 2	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-03	Sample Book Number 3	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-04	Sample Book Number 4	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-05	Sample Book Number 5	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-06	Sample Book Number 6	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-07	Sample Book Number 7	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-08	Sample Book Number 8	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-09	Sample Book Number 9	NONPROD	BOOK	ENU	20	
-	SAMP-B00K-10	Sample Book Number 10	NONPROD	BOOK	ENU	20	
F1=Help F2=Global Select F3=Quit F4=Setup Options F7=Backward							
F8=Forward F9=Sort Options F10=Receive							

Figure 8. Softcopy Receiver Tool Main Panel

Title Line

The first line displays the title of the tool ('Softcopy Receiver Tool') and the total number of publications ('Pub n of Total').

'/' column

Type a / in column one to select a publication you want to receive or type a space in column one to deselect a publication. You may select and deselect multiple publications from the list. However, SCRT provides a more efficient select and deselect method. "Global Select Options Window" on page 55, provides detailed information about global select and deselect options.

'R' column

The 'R' column is the received-status column. The received-status column displays a blank, a 'Y', or an 'N'. A blank represents no attempt has been made to transfer the publication. A 'Y' represents a successful transfer of the publication and an 'N' represents an unsuccessful transfer of the publication. An 'N' will appear in the received-status column if:

- you choose **not** to replace an existing file, or
- you choose to bypass a file when the source file cannot be found.

The received-status column is blank if you stop and restart SCRT.

'Pub Number' column

The 'Pub Number' column displays the IBM-assigned number for the softcopy publication.

'Publication Title' column

The 'Publication Title' column displays the IBM-assigned title for the softcopy publication.

'Product' column

The 'Product' column displays the IBM product number associated with the publication. If a publication is associated with more than one product, the

publication is listed more than once. If the publication is not associated with an IBM product, **NONPROD** is displayed in the 'Product' column.

'Type' column

The 'Type' column identifies the type of publication. The table below shows the three types.

Table 1. Publication Types	
Type	Description
BOOK	BookManager readable book: online version of a publication
BKSHELF	BookManager bookshelf: a list of related books on a bookshelf
BKINDEX	BookManager bookshelf search index: a comprehensive index based on the information in all books included with a bookshelf. A bookshelf search index allows for a rapid search of all the books on a bookshelf.

If a publication with type **BKSHELF** is selected you will be asked to:

- select the bookshelf, the bookshelf search index, and all books included with the bookshelf
- select the bookshelf only, or
- skip the bookshelf (do not select the bookshelf)

"Select Options for Bookshelf Window" on page 57, provides details about bookshelf selection.

'Lng' column

The 'Lng' column is the language identifier for the publication. The three character identifiers for the national languages defined by the IBM National Language Support Center are listed in "Language Identifiers" on page 79.

'Kbytes' column

The 'Kbytes' column represents the size, in kilobytes, of the files associated with the publication type.

Message Area

The message area appears one line above the function keys. Refer to "Messages" on page 66 for details about SCRT messages.

Function Keys

The last two lines display the available function keys from the main panel (shown in the table below):

Table 2. Main Panel Function Keys	
Key	Description of Function
F1	Display help
F2	Global select or deselect of publications by publication number, product number, and/or language
F3	Quit
F4	Setup - specify source and target of publications
F7	Page backward
F8	Page forward
F9	Sort the publications on any of the columns
F10	Receive selected publications; transfer files associated with the selected publications to the target system

Global Select Options Window

Use F2 (Global Select) to display the Global Select Options window. Global select options 1, 2, and 3 will select publications (place a / in column one) based on the entered criteria. Global select option 4 will deselect publications (blank column one) based on the entered criteria.

Global Select Options

==> - 1. Select all types
2. Select bookshelves
3. Select books
4. Deselect all types

Criteria for Select/Deselect

Publication number: _____

Product number: _____

Language: _____

F1=Help F2=Languages F5=Deselect ALL F12=Cancel

Figure 9. Global Select Options Window (F2 from Main Panel)

To use the Global Select Options window:

1 Type an option in the option entry field.

Refer to Table 1 on page 53 for a description of the publication types referenced below:

- Use option 1 to select all publications with type BOOK, BKSHELF, or BKINDEX that satisfy the entered criteria.
- Use option 2 to select all publications with type BKSHELF that satisfy the entered criteria. After you select option 2, the Select Options for Bookshelf window is displayed. For more information about the Select Options for Bookshelf window see “Select Options for Bookshelf Window” on page 57.

- Use option 3 to select all publications with type BOOK that satisfy the entered criteria.
- Use option 4 to deselect all publications with type BOOK, BKSHELF, or BKINDEX that satisfy the entered criteria.

2 Type the Criteria for Select/Deselect.

Wildcard characters are not supported. Matches are made from left to right. For example, you may enter '568' to select or deselect publications associated with product numbers that start with '568'. However, you may not enter '68' or '*68*' to select or deselect publications associated with product numbers that contain '68'.

3 Press **Enter**.

Use F2 to select a language identifier from a list of languages.

Use F5 to deselect all publications regardless of option or criteria.

Use F12 to return to the main panel.

Select Options for Bookshelf Window

If a selection includes any publication with type BKSHELF, the Select Options for Bookshelf window is displayed.

The number and title for all publications included with the bookshelf is displayed in a scrollable list.

Select Options for Bookshelf 1 of 3

==> 1. All publications included with this bookshelf
2. Bookshelf only
3. Skip this bookshelf

Bookshelf:	Name	Product
B00KMGR	BookManager Publications	5684062

Included publications: Pub 1 of 5

GC23-0447-01	BookManager General Informatio
SC23-0448-01	BookManager READ/VM Getting St
SC23-0449-01	BookManager READ/VM Displaying
SC23-0455-01	BookManager READ/VM Installati
GC23-0453-01	BookManager READ/VM and BUILD/

F1=Help F7=Up F8=Down F12=Cancel

Figure 10. Select Options for Bookshelf Window

To use the Select Options for Bookshelf window:

- 1 Type an option in the option entry field.
 - Use option 1 to select all publication types (bookshelf search index and books) included with the bookshelf.
 - Use option 2 to select the bookshelf only.

- Use option 3 to skip the bookshelf (do not select the bookshelf and go on to the next bookshelf). If more than one bookshelf is selected, you will be presented with the Select Options for Bookshelf window for each bookshelf selected.

2 Press **Enter**.

Use F7 to page the list of bookshelf publications backward.

Use F8 to page the list of bookshelf publications forward.

Use F12 to return to the main panel (do not select the remaining bookshelves).

Sort Options Window

Use F9 (Sort Options) to sort the list of publications. Options 1—8 on the Sort Options window correlate directly with columns 1—8 on the main panel.

```

Softcopy Receiver Tool                               Pub 1      of 82
/ R   Pub Number       Publication Title             Product Type    Lng Kbytes
- - - - -
Y                                     Sort Options for Publications                                1
Y                                     ==> _  1 by select column (/)                                  1028
Y                                     2. by received column (R)                                   147
Y                                     3. by Pub Number                                           66
Y                                     4. by Publication Title                                    537
Y                                     5. by Product                                              184
Y                                     6. by Type                                                 29
Y                                     7. by language (Lng)                                       20
Y                                     8. by size (Kbytes)                                         20
-                                     20
-                                     20
-                                     20
-                                     20
-                                     20
-                                     20
-                                     20
F1=Help      F12=Cancel
SAMP-BOOK-10 Sample Book Number 10                NONPROD BOOK      ENU      20
F1=Help      F2=Global Select    F3=Quit          F4=Setup Options  F7=Backward
F8=Forward   F9=Sort Options     F10=Receive

```

Figure 11. Sort Options Window (F9 from Main Panel)

To use the Sort Options window:

- 1** Type one of the available sort options (options 1–8).

- Options 1, 2, and 8 will sort the list in descending order.
 - Use option 1 to move all of the selected publication to the top of the list.
 - Use option 2 to move all of the successfully received (Y's) publications to the top of the list (the Y's are followed by the N's and then the blanks).
 - Use option 8 to move the largest publications to the top of the list.
- All other options sort the columns in ascending order.

2 Press **Enter to sort the list.**

Use F12 to return to the main panel without sorting the list.

Receive Publications Window

Use F10 (Receive) to transfer the selected publications from the tape to the target system. The Receive Publications window shows:

- the total number of publications selected
- the total size of the selected publications, in kilobytes
- the approximate target space available, in kilobytes

You may be able to receive all of the selected publications even if SCRT does not display enough available target space. The available target space is an approximation. Existing files and file blocking overhead are not accounted for. SCRT will display an error message when the target is full.

MVS target space is calculated based on 3380 or 3390 DASD. SCRT will display '????????' for the available target space if you do not enter a target volume serial on the SCRT/MVS Setup Options window.

Receive Publications

==> _ 1. Normal receive
2. Bypass all files that already exist
3. Overwrite files that already exist

Selection Status

Number of publications selected: 7
Size of selected (kbytes): 1992
Size of target space (kbytes): 2970

Enter option to begin receiving.

F1=Help F12=Cancel

Figure 12. Receive Publications Window (F10 from Main Panel)

To use the Receive Publications window:

- 1** Type an option in the option entry field.
 - Use option 1 to be asked for a yes or no response to replace existing files.
 - Use option 2 to bypass all existing files. SCRT will not ask you for a yes or no response to replace existing files and SCRT will not overwrite any existing files. However, you will be required to interact with SCRT for any other receive error.

- Use option 3 to overwrite all existing files. SCRT will not ask you for a yes or no response to replace existing files and SCRT will overwrite any existing files. However, you will be required to interact with SCRT for any other receive error.

2 Press **Enter** to start receiving the publications.

Use F12 to return to the main panel.

Receive Status Window

You will be presented with a receive-status window for each publication transferred from the tape to the target system. The receive-status window displays the receive number (Receiving Publication: n of Total), the publication number and title, the target file name, and the total number of kilobytes received. The receive-status window is updated after each file transfer. You cannot interact with the receive-status window.

Receiving!

Receiving Publication: 3 of 7

Publication:
GC23-0447-01 BookManager General Informatio

File name:
EIJ01MST BOOK A

Total number of kbytes received: 1029 of 1922

Figure 13. Receive Status Window

For magnetic tape: IBM softcopy publication kits distributed on magnetic tape may have multiple volumes. When necessary, SCRT will provide you with the volume serial and ask you to mount the next volume of a multi-volume kit.

For emulated tape (CD-ROM): IBM softcopy publication kits distributed on CD-ROM have a separate publications list on each CD-ROM. You must restart SCRT if you want to display a publications list from another CD-ROM.

Mounting a Tape from a CD-ROM

To mount a tape from a CD-ROM using the IBM S/370 and S/390 Optical Media Attach/2 (referred to as OMA in this section):

1. Insert the CD-ROM into the CD-ROM reader.
2. Set the OMA **TDF path** to *d:\TAPES* where *d*: is the drive letter of your CD-ROM reader.
3. Set the OMA **data path** to *d:* where *d*: is the drive letter of the CD-ROM reader.
4. Select and load the tape (the tape volume serial is printed on the CD-ROM label).

Refer to the *IBM S/370 and S/390 Optical Media Attach/2 User's Guide* (SC53-1200) for details.

Identifying and Solving Problems

This section identifies problems that might occur while installing or using SCRT and provides suggested solutions for those problems.

- If you are using the IBM S/370 and S/390 Optical Media Attach/2, ensure that the Optical Media Attach TDF path and data path are correct and ensure that no other OS/2 application has access to the CD-ROM reader. The IBM S/370 and S/390 Optical Media Attach/2 does not share files with other OS/2 applications. You may consider shutting down the OS/2 system and restarting the IBM S/370 and S/390 Optical Media Attach/2.
- If you start SCRT/VM and receive the following response:

The following names are undefined:

IBMBLIIA

DMSABN148T System abend 15A called from F3580A

CMS

The IBM C/370 Runtime environment probably did not get setup properly. Refer to the *IBM C/370 User's Guide* (SC09-1264) or contact your systems support personnel for details specific to your operating environment.

- If you start SCRT/VM and receive the following response:

IBM014I TRANSIENT LIBRARY LEVEL LOWER THAN RESIDENT
DMSITP143T Addressing exception occurred at EC1B0C in system routine
LINERD; re-IPL CMS

You may have a down-level version of IBMLIB TXTLIB. Ensure that the date of your IBMLIB TXTLIB is 12/21/90 or later.

- If you receive any unexpected hardware-exception error messages on VM/CMS (protection exception, addressing exception, specification exception, etc.) you probably need to install PTF UN11350. PTF UN11350 must be installed if you are running the IBM C/370 Runtime Library Version 1 Release 2 on VM/CMS. Contact your IBM service representative for details (APAR PN08574).
- If the tape is unloaded while receiving publications, try re-loading the tape to recover.

Messages

Table 3 lists all SCRT messages, their meaning, and the action to take.

Table 3 (Page 1 of 14). Softcopy Receiver Tool Messages		
Message	Meaning	Action
SCRT001: Error opening target file!	The target file for the publication could not be opened or a system error may have occurred.	Ensure that you have read/write authority for all target specifications entered on the Setup Options window and retry the function.

Table 3 (Page 2 of 14). Softcopy Receiver Tool Messages

Message	Meaning	Action
SCRT002: Error reading source file!	The publication file could not be read from the tape.	Make sure the device is still attached and the tape is still mounted and try to receive the file again. If you are using Optical Media Attach, ensure that the TDF path and data path are correct. If the error persists, contact your IBM service representative.
SCRT003: Error writing target file	The target file could not be written. The disk may be full or a system error may have occurred.	Ensure that enough target space is available to receive the publications.
SCRT004: Error displaying window (<i>n</i>)	Internal SCRT error.	Reinstall SCRT. If the error persists, contact your IBM service representative.
SCRT005: 'A' disk must be read/write	You must have read/write access to an 'A' disk for the SCRT history file and for temporary work files.	Ensure that you have read/write access to your 'A' disk.

Table 3 (Page 3 of 14). Softcopy Receiver Tool Messages

Message	Meaning	Action
SCRT006: Waiting for tape to be mounted on device <i>n</i>	The device has not been attached to the virtual address entered on the Setup Options window.	Ensure that you have entered a proper tape mount command. Wait for the device to be attached and for the tape to be mounted. Contact your systems support personnel for detailed information about mounting tapes.
SCRT007: Not enough space to receive all of your selections!	This message is for informational purposes only. The target entered on the Setup Options window does not have enough free space to receive all of the selected publications. The free space calculation does not account for files that already exist and SCRT does not account for file blocking overhead. Thus, the available target space is an approximation.	Ensure that the target disk has enough space or change the target information on the Setup Options window or reduce the number of publications selected. You may ignore the message and continue to receive the publications by entering an option and pressing Enter from the Receive Publications window. SCRT will display an error message when the target disk is full.

Table 3 (Page 4 of 14). Softcopy Receiver Tool Messages

Message	Meaning	Action
SCRT008: Error reading work file	Critical error while reading SCRT temporary work files.	Re-IPL CMS on VM. Exit from SCRT on MVS. Restart SCRT. If the error persists, contact your IBM service representative.
SCRT009: File <i>filename</i> not found - cannot continue	SCRT cannot continue with out the specified file.	Reinstall SCRT. If the error persists contact your IBM service representative.
SCRT010: Error in publication list (<i>n: n,n</i>)	Publication list on source tape is invalid.	Record the message information and contact your IBM service representative.
SCRT011: Error writing work file (1: <i>n,n</i>)	Unable to write SCRT temporary work files.	For VM, ensure that you have read/write access to your 'A' disk. For MVS, ensure that you have read/write authority to the the history file unit/volser specified on the Setup Options window or try using a different unit/volser. Ensure that the disk has approximately one cylinder of free space.

Table 3 (Page 5 of 14). Softcopy Receiver Tool Messages

Message	Meaning	Action
SCRT012: Error writing work file (2: <i>n,n</i>)	Unable to write SCRT temporary work files.	For VM, ensure that you have read/write access to your 'A' disk. For MVS, ensure that you have read/write authority to the the history file unit/volser specified on the Setup Options window or try using a different unit/volser. Ensure that the disk has approximately one cylinder of free space.
SCRT013: Opening <i>filename</i> for output failed	The SCRT history file could not be opened or an SCRT temporary work file could not be opened.	For VM, ensure that you have read/write access to your 'A' disk. For MVS, ensure that you have read/write authority to the the history file unit/volser specified on the Setup Options window or try using a different unit/volser. Ensure that the disk has approximately one cylinder of free space.

Table 3 (Page 6 of 14). Softcopy Receiver Tool Messages

Message	Meaning	Action
SCRT014: SCRT version incorrect for source media.	The SCRT version is not compatible with the source publications media.	Install the correct version of SCRT. The correct version can be installed from the source media.
SCRT015: Target disk must be read/write	You do not have read/write access to the target disk entered on the Setup Options window or the target disk entered is invalid.	Ensure that you enter a valid read/write target disk.
SCRT016: Error reading the user profile	The SCRT/MVS user profile dataset, userid.IBMSCRT.PROFILE , could not be read.	Retry the function. If the error persists, delete the SCRT profile dataset, and try again. The SCRT profile contains your defaults for the SCRT/MVS Setup Options window. The SCRT profile is created or updated each time you run SCRT/MVS.

Table 3 (Page 7 of 14). Softcopy Receiver Tool Messages

Message	Meaning	Action
SCRT017: Error writing the user profile	The SCRT/MVS user profile could not be written to dataset <i>userid.IBMSCRT.PROFILE</i> .	Retry the function. If the error persists, delete the SCRT profile dataset, and try again. The SCRT profile contains your defaults for the SCRT/MVS Setup Options window. The SCRT profile is created or updated each time you run SCRT/MVS.
SCRT018: Creating <i>dataset</i> failed (<i>n,n,n,n</i>)	SCRT/MVS could not create the specified dataset.	Ensure that you have read/write authority to the history file high-level qualifier, unit, and volser entered on the Setup Options window.

Table 3 (Page 8 of 14). Softcopy Receiver Tool Messages

Message	Meaning	Action
SCRT019: Publication list could not be allocated	The publications list from the source media could not be allocated.	Ensure that the mounted tape is a softcopy publication kit. If you are using CD-ROM, ensure that the Optical Media Attach TDF path and data path are correct. Ensure that there are no problems with the source device. For MVS, ensure that you have entered the correct source unit and VOLID on the SCRT/MVS Setup Options window and ensure that you have read authority to the source tape and to the 'IBM' high-level qualifier. Retry the function.

Table 3 (Page 9 of 14). Softcopy Receiver Tool Messages

Message	Meaning	Action
SCRT020: Publication list could not be opened	The publication list from the source media could not be opened.	Ensure that the mounted tape is a softcopy publication kit. If you are using CD-ROM, ensure that the Optical Media Attach TDF path and data path are correct. Ensure that there are no problems with the source device. For VM, ensure that you are not linked to a disk with the DMSTVI MODULE. This module provides a non-IBM user exit for VMTAPE that conflicts with SCRT tape handling. The IBMSCRT EXEC should not start SCRT if you are linked to a disk with the module. If the error persists, contact your IBM service representative.
SCRT021: Publication list could not be closed	The publication list from the source media could not be closed.	Ensure that there are no problems with the source device and retry.

Table 3 (Page 10 of 14). Softcopy Receiver Tool Messages

Message	Meaning	Action
SCRT022: <i>dataset</i> could not be closed	The specified dataset could not be closed.	Ensure that there are no problems with the target unit/volser and the history file unit/volser and retry.
SCRT023: Source media is not a publications kit	The publications list on the source media could not be found or does not contain any publications. The source media may not be an IBM softcopy publication kit.	Ensure that the correct tape has been mounted and restart SCRT. If you are using CD-ROM, ensure that the Optical Media Attach TDF path and data path are correct.
SCRT024: Record length error writing target file	The publication was not received properly.	Try to receive again. If the error persists, deselect the problem publication and try to receive it after all other publications have been received. If the error persists, contact your IBM service representative.

Table 3 (Page 11 of 14). Softcopy Receiver Tool Messages

Message	Meaning	Action
SCRT025: Record count error writing target file	The publication was not received properly.	Try to receive again. If the error persists, deselect the problem publication and try to receive it after all other publications have been received. If the error persists, contact your IBM service representative.
SCRT026: VOLSER <i>volser</i> not found	A VOLSER entered on the SCRT/MVS Setup Options window may not be valid or may not have available space.	Ensure that the VOLSER is valid.
SCRT027: User profile not found	This message is for informational purposes only. The SCRT user profile dataset, userid.IBMSCRT.PROFILE , was not found. The SCRT user profile is used to store your defaults for the SCRT Setup Options window. This message is displayed the first time you start SCRT/MVS or when the SCRT/MVS user profile cannot be found.	No action is necessary. SCRT/MVS will create a new profile and store your defaults for the SCRT/MVS Setup Options window.

Table 3 (Page 12 of 14). Softcopy Receiver Tool Messages

Message	Meaning	Action
SCRT028: Cannot allocate file on specified target	SCRT/MVS could not allocate the target file to receive the publication.	Ensure that you have entered a valid read/write target high-level qualifier, unit, and volser on the SCRT/MVS Setup Options window.
SCRT029: Mount requested for VOLID <i>valid</i> - Please wait	SCRT/MVS has taken the necessary action to have the system operator mount the tape. After the tape has been mounted, SCRT/MVS will read the publications list from the tape.	No action is necessary unless the expected time to mount the softcopy publications tape and to read the publications list has been exceeded. Ensure that the correct softcopy publications tape has been mounted and wait for the publications list to be displayed. If the problem persists, contact your systems support personnel.
SCRT030: Cannot delete target file	SCRT/MVS could not delete an existing publication. If you choose to replace an existing publication, SCRT/MVS will delete the existing publication and allocate a new dataset.	Ensure that you have read/write authority to the target high-level qualifier, unit, and volser entered on the Setup Options window.

Table 3 (Page 13 of 14). Softcopy Receiver Tool Messages

Message	Meaning	Action
SCRT031: Tape read routine cannot be initialized	The SCRT/MVS internal tape routine could not be initialized.	Reinstall SCRT and retry. If the error persists, contact your IBM service representative.
SCRT032: This SCRT version does not support multiple volumes	Multi-volume softcopy publication kits cannot be used with the installed version of SCRT.	Install the correct version of SCRT. The correct version can be installed from the source tape.
SCRT033: Not enough memory for publication list (<i>n,n</i>)	SCRT cannot allocate enough memory to store the publication list from the source tape.	Increase your available memory to use SCRT.
SCRT034: Unable to free target file	SCRT could not free the target file.	Ensure that the target unit/volser is still valid and retry.

Table 3 (Page 14 of 14). Softcopy Receiver Tool Messages

Message	Meaning	Action
SCRT035: TSO Service Facility (TSOLNK) interface not found	SCRT requires the TSO Service Facility (TSOLNK) which is provided with TSO/E Version 2 Release 1. TSOLNK is an alias for IKJEFTSR, a TSO module that is the TSO Service Facility. It allows programs running under TSO/E to invoke TSO commands, MVS programs, CLIST's, REXX EXECs, etc. TSOLNK is documented in <i>TSO Extensions Version 2 Programming Services</i> (SC28-1875).	Ensure that you are running TSO/E Version 2 Release 1 or higher. Ensure that the TSO Service Facility (TSOLNK) has been installed on your system. If the error persists, contact your IBM service representative.

Language Identifiers

Table 4 (Page 1 of 2). Language Identifiers

ID	Language Name	Original Name	Principal Country
AFR	Afrikaans	Afrikaans	South Africa
ARA	Arabic	Arabi	Arab Countries
BEL	Byelorussian	Belaruskaja (mova)	Belarus
BGR	Bulgarian	Bulgarski	Bulgaria
CAT	Catalan	Catala	Spain
CHT	Traditional Chinese	Zhongwen	R.O.C.
CHS	Simplified Chinese		P.R.C.
CSY	Czech	Cesky	Czechoslovakia
DAN	Danish	Dansk	Denmark
DEU	German	Deutsch	Germany
DES	Swiss German	Schweizer-Deutsch	Switzerland
ELL	Greek	Ellinika	Greece
ENA	Australian English		Australia
ENG	UK English	English	United Kingdom
ENU	US English		United States
ENP	English Upper Case		United States
ESP	Spanish	Espanol	Spain
FIN	Finnish	Suomi	Finland
FRA	French	Francais	France
FRB	Belgian French		Belgium
FRC	Canadian French		Canada
FRS	Swiss French	Suisse-francais	Switzerland
GAE	Irish Gaelic (Irish)	Gaeilge	Ireland
HEB	Hebrew	Ivrit	Israel
HRV	Croatian	Hrvatski	Croatia
HUN	Hungarian	Magyar	Hungary

Table 4 (Page 2 of 2). Language Identifiers

ID	Language Name	Original Name	Principal Country
ISL	Icelandic	Islenska	Iceland
ITA	Italian	Italiano	Italy
ITS	Swiss Italian	Italiano svizzero	Switzerland
JPN	Japanese	Nihongo	Japan
KOR	Korean	Choson-o; Hanguk-o	Korea
MKD	Macedonian	Makednonski	Yugoslavia
NLD	Dutch	Nederlands	Netherlands
NLB	Belgian Dutch		Belgium
NOR	Norwegian - Bokmal	Norsk - Bokmal	Norway
NON	Norwegian - Nynorsk	Norsk - Nynorsk	Norway
PLK	Polish	Polski	Poland
PTG	Portuguese	Portugues	Portugal
PTB	Brazilian Portuguese		Brazil
RMS	Rhaeto-Romanic	Romontsch	Switzerland
ROM	Romanian	Romana	Romania
RUS	Russian	Russkij	USSR
SHC	Serbo-Croatian (Cyr)	Srpsko-hrvatski	Yugoslavia
SHL	Serbo-Croatian (Lat)		Yugoslavia
SKY	Slovakian	Slovensky	Czechoslovakia
SLO	Slovenian	Slovenski	Slovenia
SRL	Serbian (Latin)	Srpski (Latin)	Yugoslavia
SRB	Serbian	Srpski	Yugoslavia
SQI	Albanian	Shqip	Albania
SVE	Swedish	Svenska	Sweden
THA	Thai	Thai	Thailand
TRK	Turkish	Turkce	Turkey
UKR	Ukrainian	Ukrainska (mova)	Ukraine
URD	Urdu	Urdu	Pakistan

Uploading Bookshelves and Associated Files to a Host

Each collection of IBM books includes the IBM Bookshelf Upload programs that help you upload complete bookshelves from a CD-ROM drive to an MVS or VM host. A complete bookshelf includes all the books in the bookshelf, the bookshelf file, and the bookshelf search index.

Note: If you want to transfer the contents of a CD-ROM or tape to your host at high speed, you may want to use the IBM Softcopy Receiver Tool. For more information, see "Using the Softcopy Receiver Tool to Transfer the Contents of CD-ROMs and Tapes to a Host" on page 25.

The IBM Bookshelf Upload programs can upload bookshelves from the CD-ROM that contain collections of IBM books or from any other CD-ROM that contains online books formatted for BookManager READ or the IBM Library Reader.

These programs upload all the files associated with a bookshelf in a group. The group includes the bookshelf file and all the book and bookshelf search index files. The EZ2UCDM (to MVS) and EZ2UCDV (to VM) programs create a series of SEND commands that upload all the files. These programs are easier to use than typing large number of SEND commands individually.

You must have a 3270 terminal emulator that supports the SEND capability or equivalent. If you are using these program on an OS/2 workstation, you must use them in an OS/2 window.

Creating the Upload Command and Batch Programs

The following example assumes that C is the drive letter for your hard disk, that upload is the directory that you want to put the upload programs into, and that D is the drive letter for your CD-ROM drive. If you use a different drive letter or directory name, replace them in the following examples with the directory and drive letters you are using.

Follow these steps to use the program:

- 1** Select the hard disk on which you want to put the upload programs. Type:
c:
- 2** Create a directory on that hard disk to hold the upload programs and the files they create. Type:
md \upload
- 3** Change your current directory to the one you just created. Type:
cd \upload
- 4** Copy the upload programs to the directory you are using.
For MVS:
copy d:\upload\ez2ucdm.exe
For VM:
copy d:\upload\ez2ucdv.exe
- 5** Start the EZ2UCDM or EZ2UCDV program. Type:
For MVS:
ez2ucdm

For VM:

ez2ucdv

The program starts, and you see this message.

Type the 1-character CD-ROM drive letter (for example, g) or type a drive letter and the path to the BookManager files (for example, g:\books). Then press ENTER.

Drive letter or path ==>

6 You must tell the program where the BookManager files are located. You can do either one of the following:

- Specify the one-character CD-ROM drive letter, in which case the program searches the entire CD-ROM.

If you are uploading files only from a CD-ROM, then we recommend that you specify only its one-character drive letter. For example, if you want to upload BookManager files from a CD-ROM in drive D, type:

Drive letter or path ==> d

Continue with step 8 on page 85.

- Specify paths to multiple directories which can be on multiple disks.

If you want to upload BookManager files on one of your hard disks as well as files from the CD-ROM, specify the drive letter and path of one of the directories containing BookManager files. For example, if you have created a personal bookshelf in directory C:\SHELVES, type:

Drive letter or path ==> c:\shelves

Continue with the next step.

Later you will be able to select individual bookshelves to upload from the CD-ROMs or disks you specified.

7 If you previously entered a drive letter and path, you will see the following message:

Type an additional path to other BookManager files
or leave blank if there are no more directories.
Then press ENTER.
Path ==>

Type the drive letter and path to another directory containing BookManger files, and press ENTER. You are then prompted to enter another directory. Continue entering the directories containing the BookManager files. When you have specified all of the directories, press ENTER without typing a path; you are shown the next message.

8 Identify the destination of the files.

For MVS:

You see this message:

Type the high-level qualifiers for the data sets that
will contain the files (for example, ibmbk).
Then press ENTER.
High-level qualifiers ==>

Type the high-level qualifiers you want to use for the data sets on your MVS host.

High-level qualifiers ==> ibmbk

You see the next message after you press ENTER.

Note: You should limit the number of MVS data set qualifiers to one or two. The EZ2UCDM program adds up to three additional qualifiers, shelf-name.book-name.type, to the names you supply. If the TSO users on your MVS system use a default high-level data set prefix that is not

their user ID, you should use only one high-level qualifier and limit it to five characters (for example, IBMBK). These data set names start with sysprefix.userid. The sysprefix can contain eight characters; the userid can contain seven. After EZ2UCDM adds shelf-name.book-name.type, there is room only for an additional five-character, high-level qualifier if you want to ensure that the user can create BookManager notes.

For VM:

You see this message:

Type the 1-character file mode of the minidisk where the files are to be placed (for example, a).

Then press ENTER.

Minidisk file mode ==>

Type the mode letter of the minidisk you want to use on your VM host.

Minidisk file mode ==> a

Note: Any VM files or MVS data sets on your host with the same names as the files that you are uploading will be deleted and replaced.

When you press ENTER, you see the next message.

9 Identify the 3270 session you want to use in response to this message:

Type the 1-character ID that identifies the 3270 session you want to use for the file transfers. Then press ENTER.

If you do not specify a session, the first 3270 session you started is used. If your 3270 terminal emulator supports only a single 3270 session, just press ENTER.

3270 host session ==>

Type the letter of the session you want to use, and press ENTER.

3270 host session ==> a

If your emulator only provides a single 3270 session, don't type anything; just press ENTER.

After you press ENTER, you see the next message.

- 10** A summary of the information you have typed appears on your screen. Make sure you entered all the information correctly.

For MVS:

You specified the following:

Paths to the BookManager files:

c:\shelves

d:\books

High-level qualifiers : IBM BK

3270 session ID : A

Are these values correct (Y | N)? ==>

For VM:

You specified the following:

Paths to the BookManager files:

c:\shelves

d:\books

Minidisk file mode : A

3270 session ID : A

Are these values correct (Y | N)? ==>

If you are satisfied with the information, type Y and press ENTER, and you will see the next message. Otherwise, type N and press ENTER; the program repeats the previous questions, and you can change your answers. When you

are satisfied, type Y on this panel and press ENTER. This message appears on your screen:

Now locating all the bookshelves so you can select the ones you want to upload to the host.

11 Wait until this list of names and descriptions of the bookshelves appears:

Select the bookshelves to upload by pressing the:

- * Space bar to select and deselect entries to upload.
- * Up and down arrow keys to scroll the list of shelves.
- * Enter key when you have made all of your selections.

Bookshelves 1 to 14 of 23			
Shelf	Date	Title	Upload?
EZ2ccnnn	yy/mm/dd	description	
.			
.			
.			

Use the up and down arrow keys to scroll through the list. To select a bookshelf to upload, press the SPACE bar when the cursor is positioned on the row containing the name of a bookshelf you want. If you incorrectly selected a bookshelf, press the SPACE bar again to de-select it. You can also use the Y and N keys to select and de-select entries. The bookshelves you select are identified with a Y in the Upload column. When you have selected all the bookshelves you want to upload, press the ENTER key. The EZ2UCDM or EZ2UCDV programs create the command or batch files that you can use to upload the bookshelves to the host. The primary file created is SHELVES.COMD (for OS/2) or SHELVES.BAT (for DOS). These files are created in the current directory (c:\upload or the directory you used).

Note: A bookshelf name in a collection of IBM books that ends in “000” contains a bookshelf for an entire collection or platform. If you upload it, you will upload all the books for an entire collection or platform.

You are now ready to actually upload the bookshelves.

If you are uploading to an MVS host, continue with the instructions in “Allocating MVS Data Sets When You Upload Files.” If you are uploading to VM, continue with the instructions in “Uploading the IBM Bookshelves to the Host” on page 92.

Allocating MVS Data Sets When You Upload Files

The SEND command supports a very limited set of MVS allocation parameters. For example, it does not enable you to specify VOLUME or UNIT information. The INDSBMGR file is a TSO/E REXX EXEC that you can use on your MVS host to allocate BookManager data sets with additional MVS allocation parameters. Also, if you are replacing data sets that have been migrated by DFHSM, this EXEC deletes the original copy. This prevents the data sets from being recalled, only to be replaced by a newer copy. Therefore, we suggest that you use the INDSBMGR EXEC if at all possible.

Note: If you are using Data Facility Storage Management Subsystem (DFSMS) on your MVS host, you should define storage classes to handle BOOK, BKSHELF, and BKINDEX data sets.

By default, when you use the SEND command, it uses the IND\$FILE program on MVS to do the upload. You can upload INDSBMGR to your MVS host and tailor it to include the appropriate allocation information and have the SEND command use it instead of IND\$FILE.

Uploading and Customizing the INDSBMGR Program on Your MVS Host

Before you upload any parts of the collection, you must upload the INDSBMGR program to your host. The program is in a file named INDSBMGR.REX. To upload this file to your MVS host, do the following:

- 1 Upload this file to MVS in binary format to a fixed-length, 80-byte record, sequential data set. For example, if your CD-ROM drive letter is D and your host session is A, you can type this command to upload the file from any CD-ROM in a collection to a data set named userid.INDSBMGR.REXX.

```
send d:\upload\indsbmgr.rex a:'userid.indsbmgr.rexx' recfm(f) lrecl(80)
```

- 2 Copy this sequential data set to a PDS that is part of your SYSPROC or SYSEXEC concatenation. The member name should be INDSBMGR.
- 3 Edit the INDSBMGR member.
- 4 Near line 85, find the following variable instructions:

```
/*= Site must modify these allocations =====*/  
  ALLOCATEOPTIONS_ALL   = "" /* All files                */  
  ALLOCATEOPTIONS_BOOK  = "" /* For books              */  
  ALLOCATEOPTIONS_SHELF = "" /* For bookshelves    */  
  ALLOCATEOPTIONS_INDEX = "" /* For bookshelf indexes */  
/*= End of site modifications =====*/
```

- 5 Change these variables to include the additional parameters you want to add to your TSO data set allocations. These variables enable you to do the following:

ALLOCATEOPTIONS_ALL	Add options to all data set allocations for all BOOK, BKSHELF, and BKINDEX files
ALLOCATEOPTIONS_BOOK	Add options to data set allocations for BOOK files only

ALLOCATEOPTIONS_SHELF Add options to data set allocations for BKSHELF files only

ALLOCATEOPTIONS_INDEX Add options to data set allocations for BKINDEX files only

If you add a **UNIT** parameter to this statement, it is added to data set allocations for **BOOK**, **BKSHELF**, and **BKINDEX** files. For example:

```
ALLOCATEOPTIONS_ALL = "UNIT(TSO)"
```

If you add a **VOLUME** parameter to this statement, it is added only to data set allocations for **BOOK** files. For example:

```
ALLOCATEOPTIONS_BOOK = "VOLUME(WORK01)"
```

Using the INDSBMGR Program

IBM emulators that use the **SEND** command let you change the host program that they use. With IBM OS/2 Extended Edition, for example, you can set the OS/2 environmental variable **IND_FILE** to the name of the host program you want to run; with IBM PC/3270, you can set the DOS environmental variable **IND\$FILE**.

After you have uploaded and customized the **INDSBMGR** member at your MVS host, you can use it when you want to upload IBM books.

Issue the appropriate **SET** command at your workstation to change the host upload program to **INDSBMGR**. For example, type:

For OS/2 EE:

```
set ind_file=indsbmgr
```

For DOS:

```
set ind$file=indsbmgr
```

Note: Other emulators provide similar capabilities. See the documentation with your emulator for details.

Continue with the instructions in “Uploading the IBM Bookshelves to the Host” to upload the files.

Warning: Use the INDSBMGR command only in conjunction with the CMD or BAT files built with the EZ2UCDM program. The REXX EXEC looks only for the options that EZ2UCDM specifies.

When you want to eliminate the INDSBMGR as the environmental variable, you can set it to null. For example, type:

OS/2 EE:

```
set ind_file=
```

DOS:

```
set ind$file=
```

Uploading the IBM Bookshelves to the Host

After you run the EZ2UCDM or EZ2UCDV program, you must use the SHELVES command to actually upload the BookManager files to your host. The SHELVES command starts the program that you created using the EZ2UCDM or EZ2UCDV program. The SHELVES program contains the SEND commands that will upload the files.

The following examples assume that the SEND command you usually use is in a directory named C:\PC3270.

If the directory that contains the SEND command you use is part of the PATH = statement, simply type:

```
shelves
```

If it is not, or you are not sure, do the following:

- 1** Select the hard disk that contains your SEND command. Type:

```
c:
```

- 2** Change to the directory that contains your SEND command. Type:

```
cd \pc3270
```

- 3** Run the SHELVES program.

For example, if the SHELVES program is in the C:\UPLOAD directory, type:

```
c:\upload\shelves
```

The bookshelves are uploaded to the host. When the uploading is complete, you should look at the FAILING.CMD file (for OS/2) or the FAILING.BAT file (for DOS) that is created in the directory containing the SHELVES command (for example, in C:\UPLOAD). It lists the files that failed to upload. You can look at this file with the TYPE command. For example:

For OS/2:

```
type c:\upload\failing.cmd | more
```

For DOS:

```
type c:\upload\failing.bat | more
```

If this file contains any SEND commands, one or more uploads have failed. If there are only a few SEND commands, you can upload these files using the FAILING command. For example:

```
c:\upload\failing
```

If most of the files failed to upload, you should use the SHELVES command after correcting the problem that caused them to fail.

After you have uploaded all the files successfully, you may want to print the BKSHELF.LST file that is also created in the same directory that contains the SHELVES program. The BKSHELF.LST file contains a list of the bookshelves that have been uploaded. You can use it to check that all the files arrived successfully.

You are now ready to make the IBM bookshelves available to BookManager READ/MVS or READ/VM on your host. Continue with the instructions in "Making Bookshelves Available to BookManager READ/MVS or READ/VM" on page 100.

Conventions for Naming Host Data Sets and Files

When the EZ2UCDM or EZ2UCDV program creates the SEND commands to upload files from your OS/2 or DOS workstation to an MVS or VM host, it creates filenames that conform to the file naming conventions used by BookManager READ on the host.

Conventions for Naming MVS Data Sets

Three types of files are uploaded: books, bookshelves, and bookshelf search indexes. The file names used with OS/2 and DOS are:

```
book-name.boo  
shelf-name.bks  
index-name.bki
```


The files are uploaded to:

```
ibmbk.book-name.book  
ibmbk.shelf-name.bkshelf  
ibmbk.index-name.bkindex
```

In most cases, *shelf-name* and *index-name* are the same.

Some people prefer to associate a book with the bookshelf which points to it by including the shelf name as part of the book and bookshelf search index data set names. If you want to do this, you can set the environmental variable EZ2UCDMS to Y before invoking EZ2UCDM. To do so, issue the following OS/2 or DOS command:

```
SET EZ2UCDMS=Y
```

In this case, the files are uploaded to:

```
ibmbk.shelf-name.book-name.book  
ibmbk.shelf-name.shelf-name.bkshelf  
ibmbk.shelf-name.index-name.bkindex
```

Convention for Naming VM Files

Three types of files are uploaded: books, bookshelves, and bookshelf search indexes. The file names used with OS/2 and DOS are:

```
book-name.boo  
shelf-name.bks  
index-name.bki
```

The files are uploaded to:

book-name book
shelf-name bkshelf
index-name bkindex

Deleting the SHELVES Files from Your Hard Disk

If you want to upload additional IBM bookshelves from other CD-ROMs, rerun the EZ2UCDM or EZ2UCDV program with the next CD-ROM. Then use the SHELVES command to upload the bookshelves from that CD-ROM.

After you have uploaded all the files you want, you may want to delete all the files and the directory you created on your hard disk to upload bookshelves to your host.

Note: Before you delete the files and the directory, you might want to copy the EZ2UCDM.EXE or EZ2UCDV.EXE files to another directory for use with other CD-ROMs. Better yet, copy them to a permanent directory that is specified in your PATH= statement.

The examples that follow assume that all the files you created to do the upload are in the C:\UPLOAD directory.

To delete the directory you created:

- 1** Switch to the hard disk that contained the EZ2UCDM or EZ2UCDV programs. Type:
c:
- 2** Switch to the root directory of this hard disk. Type:
cd \
- 3** Delete all the files in the directory you created. Type:

```
del c:\upload\*.*
```

- 4** Confirm that you want to delete all the files in the directory. Be sure that the directory is C:\UPLOAD and not another directory containing data that you want to keep. If you are sure, type y.

```
y
```

- 5** Remove the directory. Type:

```
rd \upload
```

Uploading Individual Book, Bookshelf, and Index Files to a Host

You can send individual books, bookshelves, and bookshelf search indexes to your MVS or VM host with the SEND capability that is provided by a 3270 terminal emulator program or equivalent.

Note: If you want to transfer the contents of a CD-ROM or tape to your host at high speed, you may want to use the IBM Softcopy Receiver Tool. For more information, see “Using the Softcopy Receiver Tool to Transfer the Contents of CD-ROMs and Tapes to a Host” on page 25. If you want to upload entire bookshelves to your host, you may want to use the IBM Bookshelf Upload program instead of sending each book, bookshelf, and bookshelf search index file. For more information, see “Uploading Bookshelves and Associated Files to a Host” on page 82.

To send individual IBM books, bookshelves, and bookshelf search indexes from your PS/2 to your host, you must:

- 1** Make sure that you are logged onto your host session and that your host’s READY message is on the screen.

- 2** From the OS/2 or DOS command prompt, use the file transfer method you regularly use.

For example, you can use:

- The Communications Manager SEND command (from OS/2 workstations)
- The 3270 Workstation Program SEND command or IBM Personal Communications/3270 SEND command (from DOS workstations)

You can use any other file transfer method you have, but it must let you specify character translation, file format, and record length. If you are unfamiliar with the SEND capability, you may want to refer to the manual for the file transfer method you are using.

- 3** Determine the appropriate character translation, record format, and record length for transferring IBM book (BOO), bookshelf (BKS), and bookshelf search index (BKl) files from an OS/2 or DOS workstation to an MVS or VM host. Look up the information you need in the following table:

Type of File	DOS or OS/2 File Extent	MVS Lowest-Level Qualifier or VM File Type	Character Translation	Record Format	Record Length	CRLF
Book	.BOO	BOOK	None	F	4096	No
Bookshelf	.BKS	BKSHelf	ASCII to EBCDIC	V	259	Yes
Bookshelf search index	.BKl	BKINDEX	None	F	4096	No

You can look up the filenames of the books, bookshelf search indexes, and bookshelves in the *Catalog of Books* for your collection of IBM books.

- 4** Use the SEND commands you need to upload books, bookshelf search indexes, and bookshelves to your host. Examples are shown below.

Examples for OS/2 or DOS to MVS:

Here are examples of the SEND command you might use to move a file containing a book, a bookshelf search index, or a bookshelf from your OS/2 or DOS workstation to your MVS host. These examples assume that your host session is A and that you are transferring files from your CD-ROM drive D.

Note: Some of these commands appear on two lines in the examples. You should enter them as a single command.

```
send d:\books\book-name.boa a:ibmbk.book-name.book  
lrecl(4096) recfm(f)
```

```
send d:\books\index-name.bki a:ibmbk.index-name.bkindex  
lrecl(4096) recfm(f)
```

```
send d:\shelves\shelf-name.bks a:ibmbk.shelf-name.bksshelf  
ascii crlf lrecl(259) recfm(v)
```

Note: If you are uploading a large file, you may need to include a SPACE parameter on the SEND command to allocate enough space to hold the file.

Examples for OS/2 or DOS to VM:

Here are examples of the SEND command you might use to move a file containing a book, a bookshelf search index, or a bookshelf from your OS/2 or DOS workstation to your VM host. These examples assume that your host session is A and that you are transferring files from your CD-ROM drive D.

Note: Some of these commands appear on two lines in the examples. You should enter them as a single command.

```
send d:\books\book-name.boa a:book-name book (lrecl 4096 recfm f
send d:\books\index-name.bki a:index-name bkindex (lrecl 4096 recfm f
send d:\shelves\shelf-name.bks a:shelf-name bkshelf (ascii crlf
```

You are now ready to make the IBM bookshelves available to BookManager READ/MVS or READ/VM. Continue with the instructions in “Making Bookshelves Available to BookManager READ/MVS or READ/VM.”

Making Bookshelves Available to BookManager READ/MVS or READ/VM

You can now make IBM bookshelf files available to BookManager READ/MVS or READ/VM. Use the following instructions:

For BookManager READ/MVS

- 1** Start BookManager READ/MVS, and go to the list of bookshelves.
- 2** Do **not** select any bookshelves. Go to the Books choice on the action bar and press ENTER.
- 3** In the window that appears, select 6. Perform file functions
- 4** In the window that appears, select 5. Add
- 5** Type, in single quotation marks, the name of the first bookshelf you uploaded and press ENTER.

```
'ibmbk.ez2shelf-name.bkshelf'
```

If you used the EZ2UCDM program to upload the files, the list of the bookshelves that were uploaded is in BKSHELF.LST.

You will probably want to add to the master list, which is defined by the QLSHELF parameter in the EOXVOPTS REXX EXEC. For example, if you look at the EOXVOPTS member, you will see a statement like this:

```
QLSHELF = "'EOY.BKLSHELF'"
```

The name of the master list in this case is:

```
'EOY.BKLSHELF'
```

The bookshelf is now added.

- 6** Repeat steps 4, 5, and 6 for each bookshelf in BKLSHELF.LST. When you have finished, press F12 to return to the list of bookshelves.

If you used EZ2UCDM to create the SEND commands, you can skip the remaining steps in this section. If not, continue with the next step.

- 7** Put a slash (/) next to each bookshelf you just added.
- 8** Go to the Books choice on the action bar and press ENTER.
- 9** In the window that appears, select 6. Perform file functions.
- 10** In the window that appears, select 4. Edit.
- 11** In the window that appears, select 4. Add data set names.
- 12** In the window that appears, type the high-level qualifier that you added to each file name, and press ENTER. For example,

ibmbk
- 13** Press F12 to return to the previous window.
- 14** Press F6 to skip the bookshelf you just added. The next bookshelf that you selected appears.

- 15** Repeat steps 10, 11, 12, and 13 for each bookshelf you selected.
- 16** When you have finished with all the bookshelves, a window with the list of bookshelves reappears.
- 17** Press F5 to refresh the list and see the newly added bookshelves.

You are now ready to use the new bookshelves. You can use the BOOKMGR command in your host session to view the bookshelves and books in a collection of IBM books. Refer to the BookManager READ/MVS books for more information about using BookManager READ/MVS on your host.

Note: To conserve space on your host DASD, you may want to release any unused space that you allocated when you uploaded the books and bookshelf search indexes. You can use DFHSM to migrate the data set.

For BookManager READ/VM

Although it is not required, you should add the bookshelf files to the BookManger public library. Otherwise, you can access them directly, as long as the minidisk containing the files is currently accessible.

When you are finished transferring parts of the collection to your VM host, you can use the BOOKMGR command in your host session to view the bookshelves and books in the collection. Refer to the BookManager READ/VM books for more information about using BookManager READ/VM on your host.

Chapter 4. Distributing IBM Books to Workstations without CD-ROMs

You can distribute collections of IBM books from workstations that have CD-ROM drives attached to workstations that do not.

Note: If you distribute IBM books to workstations without CD-ROM drives you must also transfer the IBM Library Reader. See Chapter 5, “Distributing the IBM Library Reader to Workstations without CD-ROMs” on page 111 for instructions.

You can transfer IBM books in two ways:

- Upload the books to your MVS or VM host and download them from your host to an OS/2 or DOS workstation that does not have a CD-ROM drive. Go to “Distributing IBM Books to Workstations by Uploading and Downloading” on page 104 for instructions.
- Copy selected IBM books to a diskette, and carry the diskette to a workstation that does not have a CD-ROM drive. Go to “Distributing IBM Books to Workstations on Diskettes” on page 107 for instructions.

Distributing IBM Books to Workstations by Uploading and Downloading

You can distribute IBM books, bookshelves, and bookshelf search indexes by uploading them to your host and downloading them to another workstation.

The following examples assume that you are going to use the RECEIVE capability that is provided by a 3270 terminal emulator program or equivalent to download to a workstation. They also assume that you are going to use your C hard disk and the \BOOKS directory to receive books and bookshelf search indexes and the \SHELVES directory to receive bookshelves from your host.

- 1** You must upload the IBM books, bookshelves, and bookshelf search indexes to your host before you can download them to a workstation. First follow the directions in Chapter 3, "Using the IBM Online Library with BookManager READ/VM or READ/MVS on a Host" on page 23 to transfer IBM books, bookshelves, and bookshelf search indexes that you want to distribute to your host. Then return here and continue with the next step.
- 2** Make sure that you are logged onto your host session and that your host's READY message is on the screen.
- 3** On the workstation that is to receive the books, switch to the hard drive you want to use. For example, type:

c:

4 Create two directories, one to hold the IBM books and the bookshelf search indexes and the other to hold the bookshelves.

```
md \books  
md \shelves
```

- 5** From the OS/2 or DOS command prompt, download the files with your usual file transfer method.

For example, you can use:

- The Communications Manager RECEIVE command (from OS/2 workstations)
- The 3270 Workstation Program RECEIVE command or IBM Personal Communications/3270 RECEIVE command (from DOS workstations)

You can use any other file transfer method you have, but it must enable you to specify whether you want the files translated. If you are unfamiliar with the RECEIVE capability, you may want to refer to the manual for the file transfer method you are using.

- 6** Determine the appropriate character translation for transferring IBM book (BOOK), bookshelf (BKSHelf), and bookshelf search index (BKINDEX) files from an MVS or VM host to an OS/2 or DOS workstation. Look up the information you need in the following table:

Type of File	DOS or OS/2 File Extent	MVS Lowest-Level Qualifier or VM File Type	Character Translation	Record Format	Record Length	CRLF
Book	.BOO	BOOK	None	n/a	n/a	No
Bookshelf	.BKS	BKSHelf	ASCII to EBCDIC	n/a	n/a	Yes
Bookshelf search index	.BKI	BKINDEX	None	n/a	n/a	No

- 7** Use the RECEIVE commands you need to download books, bookshelf search indexes, and bookshelves to your workstation. Examples are shown below.

Examples for MVS to OS/2 or DOS:

Here are examples of the RECEIVE command you might use to move a file containing a book, a bookshelf search index, or a bookshelf from your MVS host to your OS/2 or DOS workstation. These examples assume that your host session is A and you are transferring the files to your C hard disk.

Note: Some of these commands appear on two lines in the examples. You should enter them as a single command.

```
receive c:\books\book-name.boo a:'ibmbk.book-name.book'
receive c:\books\index-name.bki a:'ibmbk.index-name.bkindex'
receive c:\shelves\shelf-name.bks a:'ibmbk.shelf-name.bkshelf'
      ascii crlf
```

Examples for VM to OS/2 or DOS:

Here are examples of the RECEIVE command you might use to move a file containing a book, a bookshelf search index, or a bookshelf from your VM host to your OS/2 or DOS workstation. These examples assume that your host session is A and you are transferring the files to your C hard disk.

Note: Some of these commands appear on two lines in the examples. You should enter them on a single line.

```
receive c:\books\book-name.boo a:book-name book
```

```
receive c:\books\index-name.bki a:index-name bkindex
```

```
receive c:\shelves\shelf-name.bks a:shelf-name bkshelf (ascii crlf
```

After you have downloaded all the books, you must also transfer the IBM Library Reader package. Go to Chapter 5, "Distributing the IBM Library Reader to Workstations without CD-ROMs" on page 111 for instructions.

Distributing IBM Books to Workstations on Diskettes

You can distribute selected IBM books, bookshelves, and bookshelf search indexes on diskettes from a workstation that has a CD-ROM drive to workstations that do not.

The examples that follow assume that the drive letter of your CD-ROM drive is D and of your diskette reader is A. These examples also assume that you want to copy the IBM books, bookshelves, and bookshelf search indexes from the diskettes onto C hard disk of another workstation in directories named \BOOKS and \SHELVES. Follow these instructions:

- 1 Insert a blank, formatted diskette in your diskette drive.
- 2 Insert the CD-ROM from which you want to copy into the CD-ROM drive.

- 3** Copy the books, bookshelves, and bookshelf search indexes you want onto the diskette.

Type this command for each book you want:

```
copy d:\books\book-name.boa a:
```

Type this command for each bookshelf search index you want:

```
copy d:\books\index-name.bki a:
```

Note: Because of the size of bookshelf search indexes, you may not want to copy them to diskettes.

Type this command for each bookshelf you want:

```
copy d:\shelves\shelf-name.bks a:
```

- 4** When you are finished copying books, bookshelves, and bookshelf search indexes to one or more diskettes, carry them to the workstation that is going to use them.

You can either copy them onto the hard disk of the workstation or use the diskettes without copying them.

If you are going to copy the books, bookshelf search indexes, and bookshelves from the diskettes onto the hard disk of the workstation, continue with step 5.

If you are going to use the IBM books on the diskettes, go to the booklet *IBM Online Library: Getting Started*, and follow the instructions there for using books on diskettes.

These examples assume that you want your IBM books, bookshelves, and bookshelf search indexes on the C hard disk in directories named \BOOKS and \SHELVES.

- 5** Insert the diskette containing the IBM books into the diskette reader.

6 Copy the books, bookshelves, and bookshelf search indexes onto the hard disk.

Type this command to copy all books onto the hard disk:

```
copy a:\*.boo c:\books
```

Type this command to copy all bookshelf search indexes onto the hard disk:

```
copy a:\*.bki c:\books
```

Type this command to copy all bookshelves onto the hard disk:

```
copy a:\*.bks c:\shelves
```

Chapter 5. Distributing the IBM Library Reader to Workstations without CD-ROMs

All the files for the IBM Library Readers are pre-packaged for you to make them easier to distribute. The packages are self-extracting and compressed. All you have to do is handle the one packaged file containing the IBM Library Reader you want instead of many individual files.

You can transfer the IBM Library Reader package in two ways:

- Upload the IBM Library Reader package to your MVS or VM host, then download it from the host to an OS/2 or DOS workstation that does not have a CD-ROM drive. Go to “Distributing the Library Reader by Uploading and Downloading” for instructions.
- Unpack the IBM Library Reader package on a workstation that has a CD-ROM drive onto a diskette. Carry the diskette to a workstation that has no CD-ROM drive. Go to “Distributing the IBM Library Reader on a Diskette” on page 115 for instructions.

Distributing the Library Reader by Uploading and Downloading

If you are planning to download the IBM books to another workstation, you must upload the IBM Library Reader package to your MVS or VM host in addition to the books, bookshelves, and bookshelf search indexes. All the files you need to install the IBM Library Reader are included in a single package. You can use the SEND and RECEIVE capabilities that are provided by a 3270 terminal emulator program or equivalent to upload and download the package.

The following example assumes that the package containing the IBM Library Reader files and programs is in the \EZ2INST directory on your D CD-ROM drive and your host session is A. The examples also assume that you are going to use the root directory of the C hard disk on the workstation that is to receive the IBM Library Reader package.

To upload the package, do the following on the workstation you are uploading from:

- 1** Make sure that you are logged onto your host session and that your host's READY message is on the screen.
- 2** From the OS/2 or DOS command prompt, use the file transfer method you regularly use.

For example, you can use:

- The Communications Manager SEND command (from OS/2 workstations)
- The 3270 Workstation Program SEND command or IBM Personal Communications/3270 SEND command (from DOS workstations)

You can use any other file transfer method you have, but it must let you specify character translation, file format, and record length. If you are unfamiliar with the SEND capability, you may want to refer to the manual for the file transfer method you are using.

- 3** Determine the appropriate character translation for transferring the IBM Library Reader package (EZ2PACK.EXE) from an OS/2 or DOS workstation to an MVS or VM host. Look up the information you need in the following table:

Type of File	DOS or OS/2 File Extent	MVS Lowest-Level Qualifier or VM File Type	Character Translation	Record Format	Record Length	CRLF
Library Reader Package (EZ2PACK)	.EXE	EXEBIN	None	n/a	n/a	No

- 4** Use the SEND command you need to upload the IBM Library Reader package. Here are examples of the commands you might use to upload the Library Reader package to your MVS or VM host from your OS/2 or DOS workstation.

Example for OS/2 or DOS to MVS:

```
send d:\ez2inst\ez2pack.exe a:'hlq.ez2pack.exebin'
```

Insert the high-level qualifier hlq you usually use in this example.

Example for OS/2 or DOS to VM:

```
send d:\ez2inst\ez2pack.exe a:ez2pack exebin
```

Once you have uploaded the Library Reader package, you can download it to another workstation.

- 5** To download the IBM Library Reader package from your host to a workstation, go to the other workstation, and continue with the instructions in step 6 on page 114.

6 Make sure that you are logged onto your host session and that your host's READY message is on the screen.

7 From the OS/2 or DOS command prompt, use the file transfer method you regularly use.

For example, you can use:

- The Communications Manager RECEIVE command (from OS/2 workstations)
- The 3270 Workstation Program RECEIVE command or IBM Personal Communications/3270 RECEIVE command (from DOS workstations)

You can use any other file transfer method you have, but it must let you specify character translation. If you are unfamiliar with the RECEIVE capability, you may want to refer to the manual for the file transfer method you are using.

8 Determine the appropriate character translation record length for transferring the IBM Library Reader package from an MVS or VM host to an OS/2 or DOS workstation. Look up the information you need in the following table:

Type of File	DOS or OS/2 File Extent	MVS Lowest-Level Qualifier or VM File Type	Character Translation	Record Format	Record Length	CRLF
Library Reader Package (EZ2PACK)	.EXE	EXEBIN	None			No

- 9 Use the RECEIVE command you need to download the IBM Library Reader package to another workstation.

Here are examples of the commands you might use to move the file containing the package from your MVS or VM host to the root directory on the C hard disk of an OS/2 or DOS workstation.

Example for MVS to OS/2 or DOS:

```
receive c:\ez2pack.exe a:'hlq.ez2pack.exebin'
```

Example for VM to OS/2 or DOS:

```
receive c:\ez2pack.exe a:ez2pack exebin
```

After all the files have been received, you are ready to install the IBM Library Reader installation program.

Go to the booklet *IBM Online Library: Getting Started*, and follow the instructions there for installing and starting the IBM Library Reader. When you have finished installing the IBM Library Reader, you are ready to use the IBM Online Library.

Distributing the IBM Library Reader on a Diskette

You can distribute the IBM Library Reader package on a diskette from a workstation that has a CD-ROM drive to one that does not. Follow these instructions:

- 1 Insert a blank, formatted 1.44MB or larger diskette into your diskette reader.
- 2 Insert a CD-ROM from a collection of IBM books into your CD-ROM drive.
- 3 Switch to the drive letter for your CD-ROM drive. Type:
d:

- 4** Change to the directory on the CD-ROM that contains the IBM Library Reader package. Type:

```
cd \ez2inst
```

- 5** Unpack the IBM Library Reader package to the diskette. Type the following:

```
ez2pack -o -d a:\
```

- 6** Carry the diskette to the workstation in which you want to install the IBM Library Reader.

Go to the booklet *IBM Online Library: Getting Started*, and follow the instructions there for installing and starting the IBM Library Reader. When you have finished installing the IBM Library Reader, you are ready to use the IBM Online Library.

Chapter 6. Using PC Support/400 Folders to Share IBM Books on an AS/400

PC Support/400 allows you to share the IBM books and bookshelves among several users who have PS/2 workstations. Each workstation can have the IBM Library Reader installed or you can install the IBM Library Reader in a folder.

For more information on setting up and using these folders, see the *AS/400 PC Support User's Guide for OS/2*, SC41-8200, or *AS/400 PC Support User's Guide for DOS*, SC41-8199. For information on installing the IBM Library Reader on a workstation, see the booklet *IBM Online Library: Getting Started*.

Copying IBM Books to a Shared Folder

The examples that follow assume that D is the drive letter for the CD-ROM drive, \BOOKS is the directory containing the books on the CD-ROM, I is the drive letter that was assigned to the shared folder, and \AS400BKS is the directory that is to contain the PC Support/400 books on the AS/400. The examples also assume that you are going to copy the PC Support/400 bookshelf and books. The file names for all the PC Support/400 books and its bookshelf begin with the letters PCS. If you want to use different books or directories, substitute their names for the names used in the examples.

To copy IBM books and bookshelves from a CD-ROM to a PC Support/400 folder, follow these instructions:

- 1 Switch to the drive letter that contains the PC Support/400 folder. Type:
i:

- 2** Create a folder for the PC Support/400 books. Type:

```
md \as400bks
```

- 3** Change the current directory to the one you just created. Type:

```
cd \as400bks
```

- 4** Copy the books you want in the folder from the CD-ROM with the COPY or XCOPY command. Type:

```
copy d:\books\pcs*.boo i:\as400bks  
copy d:\shelves\ez2o4pna.bks i:\as400bks  
copy d:\books\ez2o4pna.bki i:\as400bks
```

- 5** Set the read-only file attribute for each file in the folder so that several users can read the books at the same time.

```
attrib +r i:\as400bks\*.*
```

Note: The ATTRIB command is only supported in OS/2 and DOS Release 5.0.

Users can now access the books and bookshelves by assigning the folder drive to their workstation and identifying that drive to the Library Reader installation program if they are installing the IBM Library Reader on their workstation.

Copying IBM Library Reader/DOS to a Shared Folder

The examples that follow assume that you want to share the IBM Library Reader/DOS. The examples also assume that `D` is the drive letter for the CD-ROM drive, `\ez2inst` is the directory containing the IBM Library Reader on the CD-ROM, `I` is the drive letter that was assigned to the shared folder, and `\readibm` is the directory that is to contain the IBM Library Reader on the AS/400. If you want to use different books or directories, substitute their names for the names used in the examples.

To copy IBM Library Reader/DOS to a PC Support/400 folder, follow these instructions:

- 1** Switch to the drive letter that contains the PC Support/400 folder. Type:
`i:`
- 2** Create a folder for the IBM Library Reader. Type:
`md \readibm`
- 3** Change to the drive letter for the CD-ROM drive. Type:
`d:`
- 4** Unpack the IBM Library Reader from any CD-ROM in the collection to the directory you just created. Type:
`ez2pack -o -d i:\readibm`
- 5** Make sure that the `BPATH=` statement in the `READIBM.PRO` file includes the path to the folder that contains the IBM Library Reader.

- 6** Set the read-only file attribute for each file in the folder so that several users can read the books at the same time.

```
attrib +r i:\readibm\*.*
```

Note: The ATTRIB command is only supported in OS/2 and DOS Release 5.0.

- 7** Modify the configuration files on the AS/400 to point to the IBM Library Reader and books on the AS/400.

Users can now access the IBM Library Reader by assigning the folder drive to their workstation and adding that drive path to the PATH= statement in their AUTOEXEC.BAT file.

Appendix A. Configuration Changes Made by the IBM Library Reader Installation Program

The IBM Library Reader installation program changes your workstation configuration files when you install the IBM Library Reader or when you update the BookManager READ licensed programs or a version of the IBM Library Reader that you already have.

Configuration Changes for Installing the IBM Library Reader on OS/2

The installation program makes the following changes:

In CONFIG.SYS

- PATH =** It adds C:\READIBM2; (this is the default on Panel 2)
- HELP =** It adds C;\READIBM;
- LIBPATH =** It adds C;\READIBM;
- IOPL =** If IOPL = NO, it changes the NO to EPACL392; if IOPL = has a list, it appends EPACL392 to the list; if IOPL = YES, it leaves it unchanged
- SET BOOKMGR =** It adds \books and \shelves for each drive specified
- SET READIBM =** It adds \books and \shelves for each drive specified

The installation program also creates a Group - IBM Online Library (for OS/2 Version 1.3) or a folder IBM Online Library (for Version 2.0).

Configuration Changes for Installing the IBM Library Reader on DOS

The installation program makes the following changes:

In AUTOEXEC.BAT

PATH = It appends C:\READIBM;

READIBM = C:\READIBM\READIBM.PRO

The installation program creates the following profile:

READIBM.PRO

See Appendix B, "Sample IBM Library Reader Files" on page 125 for the contents of this file.

Configuration Changes for Updating BookManager READ/2

The installation program makes the following changes:

In CONFIG.SYS

SET BOOKMGR = It adds \books and \shelves for each drive specified if not already there

The installation program also creates or updates the Group - IBM Online Library (for OS/2 Version 1.3) or a folder IBM Online Library (for Version 2.0).

Configuration Changes for Updating BookManager READ/DOS

The installation program makes the following changes:

In READDOS.PRO

-BPATH = It adds \books and \shelves for each drive specified if not already there

Configuration Changes for Updating an Existing IBM Library Reader/2

The installation program makes the following changes:

In CONFIG.SYS

SET BOOKMGR = It adds \books and \shelves for each drive specified if not already there

The installation program also creates or updates the Group - IBM Online Library (for OS/2 Version 1.3) or a folder IBM Online Library (for Version 2.0).

Configuration Changes for Updating an Existing IBM Library Reader/DOS

The installation program makes the following changes:

In READIBM.PRO

-BPATH = It adds \books and \shelves for each drive specified if not already there

Appendix B. Sample IBM Library Reader Files

This appendix contains the sample profile that is created by the IBM Library Reader installation program for the IBM Library Reader/DOS.

```
*           IBM Online Library Reader Profile
*
*
* No snow logic removal.
-ns
*
* No "Click" on topic change.
-q
*
* Print on LPT1.
-pl
*
* Identify where to put temporary files.
-temppath=c:\
*
* Extension for note files.
-mynotefileextension=.ntf
*
* Note file directory.
-newnotefiledirectory=C:\READIBM
*
* Show all bookshelves.
-bk=*.bks
*
* Identify the locations of the books
-bpath=.;D:\BOOKS;D:\SHELVES;
```


Bibliography

Using the IBM Online Library

The following booklets are also available:

- *IBM Online Library: Getting Started*, GC23-0545
- *IBM Online Library: Catalog of Books* (see the collections of IBM books)
- *IBM Online Library: Distributing and Customizing the Library*, GC23-3129

Transferring Files to and from an MVS or VM Host

The following book will help you understand how to transfer files to a VM or MVS host using the IBM Softcopy Receiver Tool.

- *IBM Softcopy Receiver Tool: User's Guide* (online)

The following books will help you understand how to transfer files to a VM or MVS host using the SEND capability.

- *IBM OS/2 Command Reference* (online)

- *IBM Personal Communications/370 Version 2.0 Reference Guide* (online)
- *IBM 3270 Workstation Program: User's Guide and Reference*, 84X0982

Using the IBM Library Reader

The following books will help you use all the capabilities of the IBM Library Reader. The instructions for using the IBM BookManager READ licensed programs also apply to the IBM Library Reader. Consult these manuals for questions about using and printing online books with the IBM Library Reader:

Library Reader/2

- *IBM BookManager READ/2 and IBM BookManager Library Reader/2: Displaying Online Books*, SB35-0801

Library Reader/DOS

- *IBM BookManager READ/DOS and IBM BookManager Library Reader/DOS: Displaying Online Books* (online)

Using the IBM Online Library with IBM BookManager READ/MVS or READ/VM

The following books will help you use the IBM Online Library on your host with the IBM BookManager READ/MVS or READ/VM licensed programs. Consult these manuals for questions about using and printing online books on your host.

BookManager READ/VM

- *BookManager READ/VM and BookManager BUILD/VM: General Information*, GC23-0447
- *BookManager READ/VM: Installation and Customization*, SC23-0455

- *BookManager READ/VM: Getting Started and Command Summary*, SC23-0448
- *BookManager READ/VM: Displaying Online Books*, SC23-0449

BookManager READ/MVS

- *BookManager READ/MVS: General Information*, GC38-2032
- *BookManager READ/MVS: Installation and Customization*, SC38-2035
- *BookManager READ/MVS: Getting Started and Command Summary*, SC38-2033
- *BookManager READ/MVS: Displaying Online Books*, SC38-2034

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